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**AD-740 925**

**CIVIL DEFENSE SYSTEMS:  
SOCIAL IMPACT AND MANAGEMENT PLANNING**

**A DDC BIBLIOGRAPHY**

**DDC-TAS-72-11-1**

**APRIL 1972**

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13. ABSTRACT This bibliography -- one in a series on Civil Defense Systems -- contains a compilation of references on Social Impact and Management Planning. References contained in this volume pertain to psychological factors related to recovery from nuclear attack; public response to community shelter planning; fallout shelter management responsibilities; emergency operations training; attitudes toward civil defense; requirements for local planning to cover hazards of fallout; food processing and distribution; and the roles of the dentist and pharmacists in national disasters. Entries were processed into the Defense Documentation Center's data bank during the period of January 1953 through January 1972.  Other bibliographies in this series are: Preattack and Post-attack (Nuclear Warfare), and Shelters.  Corporate Author-Monitoring Agency, Subject, Title, Contract, and Report Number Indexes are included.		

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**CIVIL DEFENSE SYSTEMS:  
SOCIAL IMPACT AND MANAGEMENT PLANNING**

**A DDC BIBLIOGRAPHY**

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August 1960 - August 1971

**APRIL 1972**

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## F O R E W O R D

This bibliography is a compilation of references on *Civil Defense Systems: Social Impact and Management Planning* in a series of bibliographies on Civil Defense Systems. Entries were processed into the Defense Documentation Center's data bank during the period of January 1953 through January 1972. It revises and replaces an earlier bibliography, AD-705 500.

Corporate Author-Monitoring Agency, Subject, Title, Contract, and Report Number Indexes are included.

**BY ORDER OF THE DIRECTOR, DEFENSE SUPPLY AGENCY**

OFFICIAL

  
ROBERT B. STEGMAIER, JR.  
Administrator  
Defense Documentation Center

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CONTRACT.....	C-1
REPORT NUMBER.....	R-1

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AJ-244 984

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

CBR WARFARE RESEARCH AND CIVIL DEFENSE OF THE USSR  
AND COMMUNIST CHINA. A BIBLIOGRAPHY (U)

AUG 60 1V  
MONITOR: AID 60-25

UNCLASSIFIED REPORT

DESCRIPTORS: ARMED FORCES RESEARCH, BIBLIOGRAPHIES,  
BIOLOGICAL WARFARE, CHEMICAL WARFARE, CIVIL DEFENSE  
SYSTEMS, MILITARY RESEARCH, RADIOLOGICAL WARFARE (U)  
IDENTIFIERS: CHINA, USSR (U)

UNCLASSIFIED

/ZMML7

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-271 444

RESEARCH ANALYSIS CORP MCLEAN VA

CIVIL AFFAIRS: THE FUTURE PROSPECTS OF A MILITARY  
RESPONSIBILITY (U)

IV KING, JAMES E. JR.:

UNCLASSIFIED REPORT

DESCRIPTORS: •CIVIL DEFENSE SYSTEMS, •MILITARY  
GOVERNMENT, •OPERATIONS RESEARCH, FOREIGN POLICY (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-287 06U

RAND CORP SANTA MONICA CALIF

THE RESOLUTION OF THE SOVIET CONTROVERSY OVER CIVIL  
DEFENSE (U)

IV GOURE, LEON:

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, PROPAGANDA),  
USSR, FOREIGN POLICY (U)  
IDENTIFIERS: USSR (U)

SOME RECENT DEVELOPMENTS IN THE SOVIET CIVIL  
DEFENSE PROGRAM ARE DESCRIBED. DIFFERENCES BETWEEN  
FOREIGN AND DOMESTIC SOVIET PROPAGANDA ON CIVIL  
DEFENSE ARE LISTED, AND A DEBATE AMONG THE SOVIET  
LEADERS ON THE VALUE OF CIVIL DEFENSE IS DESCRIBED --  
A DEBATE THAT WAS RESOLVED AT THE MAY 1962  
CONGRESS OF DOSAAF (THE CIVIL VOLUNTEER  
ORGANIZATION). RECENT VIGOROUS ENDORSEMENT OF  
DOSAAF BY PARTY AND PRESS MAY BE ONE INDICATION  
OF IMPENDING CHANGES IN SOVIET DOMESTIC AND  
FOREIGN POLICIES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-401 226

HUDSON INST INC HARMON-ON-HUDSON N Y

STRATEGIC AND TACTICAL ASPECTS OF CIVIL DEFENSE WITH  
SPECIAL EMPHASIS ON CRISIS SITUATIONS (U)

JAN 63 IV BROWN, WILLIAM H.;

UNCLASSIFIED REPORT

DESCRIPTORS: •CIVIL DEFENSE SYSTEMS, COMMAND + CONTROL  
SYSTEMS, FOOD, MEDICAL PERSONNEL, MEDICAL SUPPLIES,  
SHELTERS, STRATEGIC WARFARE (U)

STRATEGIC AND TACTICAL ASPECTS OF CIVIL DEFENSE WITH SPECIAL  
EMPHASIS ON CRISIS SITUATIONS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-402 098

HUMAN SCIENCES RESEARCH INC MCLEAN VA

AN APPROACH TO THE STUDY OF SOCIAL AND PSYCHOLOGICAL  
EFFECTS OF NUCLEAR ATTACK (U)

MAR 63 1V NORDLIE, PETER G. I  
REPT. NO. RR 63 3 RR

UNCLASSIFIED REPORT

DESCRIPTORS: \*CIVIL DEFENSE SYSTEMS, BEHAVIOR, CULTURE,  
DISASTERS, NUCLEAR WARFARE, PSYCHOLOGY, REACTION  
(PSYCHOLOGY), SOCIOLOGY, STRESS (PSYCHOLOGY),  
SURVIVAL (U)

SOCIAL AND PSYCHOLOGICAL EFFECTS OF NUCLEAR ATTACK.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-403 670

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

A CORE TRAINING PROGRAM FOR STATE LEVEL CIVIL  
DEFENSE PROGRAM PERSONNEL (APPENDICES),

(U)

APR 63 293P FLETCHER, DOROTHY E. I  
MACPHERSON, DOUGLAS H. I; SIEGEL, ARTHUR I. I

UNCLASSIFIED REPORT

DESCRIPTORS: • CIVIL DEFENSE SYSTEMS, TRAINING,  
SCHEDULING, CONTROL, INSTRUCTION MANUALS,  
COMMAND AND CONTROL SYSTEMS, CLASSIFICATION, JOB  
ANALYSIS.

(U)

APPENDICES TO A CORE TRAINING PROGRAM FOR STATE LEVEL  
CIVIL DEFENSE PROGRAM PERSONNEL.



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZHML7

AD-403 759

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

A CORE TRAINING PROGRAM FOR STATE LEVEL CIVIL  
DEFENSE PROGRAM PERSONNEL.

(U)

APR 63 209P FLETCHER, DOROTHY E.;  
MACPHERSON, DOUGLAS H.; SIEGEL, AND ARTHUR I.;  
CONTRACT: OGD OS62 121

UNCLASSIFIED REPORT

DESCRIPTORS: •CIVIL DEFENSE SYSTEMS, •TRAINING,  
CLASSIFICATION, COMMAND AND CONTROL SYSTEMS,  
DECISION MAKING, SCHEDULING, CONTROL,  
INSTRUCTION MANUALS, JOB ANALYSIS.

(U)

THE PURPOSE OF THIS STUDY WAS TO DERIVE INFORMATION REQUIR IMPROVING STATE LEVEL CIVIL DEFENSE TRAINING AND TO APPLY THIS INFORMATION TO THE DEVELOPMENT OF REQUIRED COURSES FOR ACHIEVING THIS PURPOSE. IN ORDER TO ACHIEVE THIS GOAL, RESEARCH WAS FIRST CONDUCTED TO DETERMINE THE TRAINING REQUIREMENTS FOR THE GOVERNMENTAL AND AUXILIARY PERSONNEL THAT ARE NEEDED TO IMPLEMENT STATE CIVIL DEFENSE OPERATIONAL PLANS. SECOND, TRAINING MATERIALS WERE DEVELOPED TO MEET THESE REQUIREMENTS. (AUTHOR)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-406 442

RAND CORP SANTA MONICA CALIF

RECENT DEVELOPMENTS IN THE SOVIET CIVIL DEFENSE PROGRAM,

(U)

JUN 63 26P GOURE, LEON ;  
REPT. NO. P2752

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PRESENTED TO SUBCOMMITTEE NO. 3 OF THE ARMED SERVICES COMMITTEE OF THE HOUSE OF REPRESENTATIVES. WASHINGTON, D. C., JUNE 17, 1963.

DESCRIPTORS: •CIVIL DEFENSE SYSTEMS, TRAINING, SHELTERS, MILITARY STRATEGY, FOREIGN POLICY, MILITARY ORGANIZATIONS, WARFARE, ANALYSIS.  
IDENTIFIERS: USSR.

(U)

(U)

THE SOVIET CIVIL DEFENSE PROGRAM IS FAR FROM COMPLETE AND SUFFERS FROM A VARIETY OF SHORT COMINGS. APART FROM THE NOTORIOUS INEFFICIENCY OF SOVIET ADMINISTRATION, THERE IS THE RELATIVELY SHORT TIME THAT MANY PERSONS WILL BE ABLE TO REMAIN IN SHELTERS, BECAUSE OF LIMITED FOOD SUPPLIES, GREAT CROWDING AND ABSENCE OF COOLING EQUIPMENT WILL FORCE LARGE NUMBERS OF THEM TO EVACUATE THEIR SHELTERS VIA CONTAMINATED AREAS WHILE THE RADIATION LEVEL MAY STILL BE FAIRLY HIGH. THE SOVIETS RECOGNIZE THAT THE EFFECTIVENESS OF CIVIL DEFENSE, SURVIVING THE ATTACK, AND WINNING THE WAR WILL DEPEND TO A GREAT EXTENT ON THEIR ABILITY TO BLUNT OR WEAKEN THE ENEMY'S ATTACK. THIS IS WHY SOVIET DOCTRINE ALSO EMPHASIZES PRE-EMPTIVE ATTACKS AS WELL AS THE IMPORTANCE OF ANTI-AIRCRAFT AND ANTI-MISSILE D. DESPITE THE PRESENT INADEQUACIES OF SOVIET CIVIL DEFENSE AND THE GROWING DESTRUCTIVENESS OF MODERN WEAPONS, THE SOVIET LEADERSHIP BELIEVES THAT THE PRESERVATION OF THE SOVIET STATE AND SOCIETY IN THE EVENT OF A WAR MERITS CONSIDERABLE EFFORTS AND THE EXPENDITURE OF RELATIVELY SCARCE MONEY AND RESOURCES. IN THE AUTHOR'S OPINION, THE AVAILABLE EVIDENCE LEAVES NO DOUBT THAT THE SOVIET UNION IS ENGAGED IN AN EXTENSIVE CIVIL DEFENSE PROGRAM AND THAT IT BELIEVES IT TO BE WORTH FURTHER EFFORTS AND CONTINUED INVESTMENTS.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-408 967

DUNLAP AND ASSOCIATES INC DARIEN CONN

TESTING CIVIL DEFENSE PLANS AND OPERATIONS AT THE  
FEDERAL, STATE AND LOCAL LEVELS. (U)

DESCRIPTIVE NOTE: FINAL REPT.

MAY 63 121P

CONTRACT: OCD 0562 60

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, TESTS),  
(•RADIOACTIVE FALLOUT, RADIATION MONITORS),  
RADIOLOGICAL CONTAMINATION, RADIATION MEASURE MENT  
SYSTEMS, DAMAGE, ANALYSIS, TEST METHODS,  
SHELTERS, RADIOLOGICAL DOSAGE, ERRORS, NUCLEAR  
WARFARE, NUCLEAR EXPLOSIONS, FOOD, WATER SUP  
PLIES, SANITARY ENGINEERING, VENTILATION,  
COMMUNICATION SYSTEMS. (U)

IDENTIFIERS: 1963, DAMAGE ASSESSMENT,  
MUSTERING. (U)

THE FINAL REPORT FOR CONTRACT NO. OCD-05-62-  
60 IS ORGANIZED INTO THREE CHAPTERS. CHAPTER I  
IS DEVOTED TO A BRIEF DISCUSSION OF THE OVER-ALL  
PROBLEM STUDIED DURING THIS CONTRACT. CHAPTER II-  
PRESENTS DESCRIPTIONS OF THE THREE TESTS DEVEL OPED  
DURING THE STUDY, I.E., A MUSTERING PLAN TEST, A  
DAMAGE ASSESSMENT TEST, AND A RADIATION ANALYSIS  
TEST. THE FINAL CHAPTER PRESENTS THE FORMULATION  
OF A SYSTEM ANALYSIS OF THE CIVIL DEFENSE  
ORGANIZATION DESIGNED TO IDENTIFY AND QUANTIFY THOSE  
FUNCTIONS WITH WHICH CIVIL DEFENSE SHOULD BE  
CONCERNED, AND THUS TO PROVIDE A BETTER BASIS FOR  
TESTING OF PLANS. (AUTHOR) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-409 938

RAND CORP SANTA MONICA CALIF

CIVIL DEFENSE REVISITED.

(U)

JUN 63 9P WILLIAMS, J.D.;  
REPT. NO. P2751

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS,  
ANALYSIS).

(U)

IDENTIFIERS: 1963.

(U)

DISCUSSION ON CIVIL DEFENSE AND COMMENTS ON ITS PROGRAMS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-410 515

AMERICAN INSTITUTES FOR RESEARCH PITTSBURGH PA

REQUIREMENTS AND METHODS FOR IMPROVING LOCAL CIVIL  
DEFENSE TRAINING, (U)

JUL 63 55P WILLIS, M. PAUL ; MARKOWITZ,  
EILEEN M. INAGIN, EDYTHE F. I  
REPT. NO. AIR C92 6 63TR

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, TRAINING),  
(•TRAINING, CIVIL DEFENSE SYSTEMS), COSTS,  
ANALYSIS, PERSONNEL, JOB ANALYSIS, RADIOACTIVE  
FALLOUT, MONITORS. (U)

IDENTIFIERS: JOB HIERARCHY, 1963. (U)

REQUIREMENTS AND METHODS FOR IMPROVING LOCAL CIVIL DEFENSE  
TRAINING.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-425 618

OFFICE OF CIVIL DEFENSE WASHINGTON D C

SUMMARY OF STUDIES OF PUBLIC ATTITUDES TOWARD AND  
INFORMATION ABOUT CIVIL DEFENSE.

(U)

AUG 63 33P GARRETT, RALPH L. I  
REPT. NO. RR8  
MONITOR: OCD RR8

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ATTITUDES, CIVIL DEFENSE SYSTEMS),  
(•PUBLIC OPINION, CIVIL DEFENSE SYSTEMS), ANALYSIS,  
SHELTERS, FEASIBILITY STUDIES, RADIATION HAZARDS (U)  
IDENTIFIERS: 1963, PUBLIC SUPPORT, PUBLIC ATTITUDES,  
OBJECTIVES (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO: /ZMML7

AD-426 430

AMERICAN MUNICIPAL ASSOCIATION WASHINGTON D C

ORGANIZING MUNICIPAL GOVERNMENTS FOR CIVIL DEFENSE.

(U)

OCT 63 1105P  
LAWRENCE A. I  
CONTRACT: OGD0562 293

BULLIS, ANDREW S. INZLLIAMS,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GOVERNMENT  
PROCUREMENT), (URBAN AREAS, CIVIL DEFENSE SYSTEMS),  
OPERATION, SOCIAL SCIENCE, SHELTERS, POPULATION,  
SURVIVAL, SOCIAL COMMUNICATION, URBAN AREAS  
IDENTIFIERS: COMMUNITY ORGANIZATION, 1963

(U)

(U)

THE STUDY DESCRIBES THE CIVIL DEFENSE RESPONSIBILITIES OF MUNICIPAL GOVERNMENT AS DEFINED BY PRESENT FEDERAL PROGRAMS AND POLICIES, ESPECIALLY AS THEY RELATE TO THE FALLOUT SHELTER PROGRAM. SIX CITIES ARE THEN ANALYZED TO DETERMINE THE MANNER IN WHICH COMMUNITY RESOURCES HAVE BEEN ORGANIZED TO MEET THESE RESPONSIBILITIES. THE CITIES WERE SELECTED TO REPRESENT THE SEVERAL COMMON FORMS OF CITY GOVERNMENT AND TO PROVIDE A WIDE GEOGRAPHIC DISTRIBUTION AND SPECTRUM OF POPULATION SIZES FROM THE VERY SMALL CITY TO THE LARGE METROPOLITAN CITY. EACH CASE STUDY PROVIDES A PROFILE OF THE CITY TO ESTABLISH ITS ESSENTIAL CHARACTERISTICS AND IDENTIFY ANY EXCEPTIONAL CIRCUMSTANCES THAT MAY BE PECULIAR TO THE CITY AND AFFECT ITS CIVIL DEFENSE CAPABILITIES. THE PREPARATIONS MADE BY THE CITY FOR GOVERNMENT OPERATIONS IN THE EVENT OF NUCLEAR OR NATURAL DISASTER ARE INVESTIGATED, INCLUDING CONTINUITY OF GOVERNMENT, EMERGENCY POWERS, AND THE CIVIL DEFENSE AGENCY, ITS FINANCING, PROGRAM, AND FACILITIES FOR EMERGENCY OPERATIONS. THE EMERGENCY OPERATIONS OR SURVIVAL PLANS OF EACH CITY ARE RELATED TO THE ASSIGNMENT OF ITS REGULAR DEPARTMENTS AND AGENCIES TO EMERGENCY DISASTER FUNCTIONS. THE UTILIZATION MADE OF VOLUNTEERS AND NON-GOVERNMENTAL AGENCIES, ORGANIZATIONS, AND INSTITUTIONS TO AUGMENT AND SUPPLEMENT CITY FORCES IS DESCRIBED. (AUTHOR)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-426 925

PLANNING RESEARCH CORP LOS ANGELES CALIF

CIVIL DEFENSE IMPLICATIONS OF CURRENT AND FUTURE  
URBAN CONFIGURATIONS,

(U)

DEC 63 343P WOLTMAN, H.R.; GUODROW, E.C.;  
REPT. NO. R409  
CONTRACT: OGD US62 278

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, URBAN  
AREAS), POPULATION, GROWTH, VULNERABILITY,  
DENSITY, BUILDINGS.

(U)

IDENTIFIERS: 1963, LIVING PATTERN.

(U)

THIS REPORT EXAMINES THE POSSIBILITIES OF VULNERABILITY REDUCTION THROUGH LONG-TERM CHANGES IN URBAN FORM AND STRUCTURE, IN THE LIGHT OF PROJECTED TRENDS IN ECONOMIC AND SOCIAL FORCES AFFECTING FUTURE URBAN DEVELOPMENT. URBAN DECENTRALIZATION IS LIKELY TO CONTINUE IN THE FUTURE, AND TECHNOLOGICAL CHANGE MAY PERMIT DELIBERATE ACCELERATION OF THIS TREND TOWARD SPRAWLING URBAN REGIONS. VARIOUS CONCEPTUAL AND EMPIRICAL URBAN FORMS ARE REDUCIBLE TO A FEW BASIC TYPES. THE VULNERABILITY CHARACTERISTICS OF THE DIFFERENT FORMS ARE MIXED, BUT THE GALAXY AND DISPERSED SHEET FORMS ARE GENERALLY BEST SUITED TO CIVIL DEFENSE PURPOSES. THESE ARE SIMILAR TO THE FORMS THAT FUTURE URBAN REGIONS ARE EXPECTED TO TAKE. A VARIANT OF THE DISPERSED SHEET FORM IS CONSIDERED THE MOST ADVANTAGEOUS; IT WOULD PROVIDE COMPACT URBAN COMMUNITIES, SEPARATED BY EXTENSIVE OPEN SPACES DEVOTED TO NONURBAN LAND USES, WITHIN FUTURE METROPOLITAN AREAS. IN ADDITION, EFFORTS TO INCREASE THE 'HARDNESS' OF URBAN STRUCTURES ARE DESIRABLE. AN INCREASED PROPORTION OF HIGH HARDNESS STRUCTURAL TYPES SHOULD BE ENCOURAGED IN THE BUILDING MIX. THIS INCREASE SHOULD TAKE THE FORM MAINLY OF HIGH-HARDNESS RESIDENTIAL STRUCTURES DISPERSED SINGLY OR IN CLUSTERS THROUGHOUT RESIDENTIAL AREAS. INDIRECT METHODS ARE CONSIDERED BY WHICH PROGRESS TOWARD THESE OBJECTIVES MIGHT BE ASSISTED THROUGH VARIOUS ON GOING FEDERAL AND STATE GOVERNMENTAL ACTIVITIES.  
(AUTHOR)

(U)



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-431 735

RESEARCH TRIANGLE INST DURHAM N C

ANALYSIS OF SURVEY DATA.

(U)

DESCRIPTIVE NOTE: FINAL REPT., PT. 2,

FEB 64 551P HILL, E. L. (GROGAN, W. K. I

LYDAY, R. U. (NORMENT, H. G. I

REPT. NO. R 0081PT. 2

CONTRACT: OCU 0562 144

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (1) COMPUTERS, PROGRAMMING (COMPUTERS)),  
(1) CIVIL DEFENSE SYSTEMS, STRUCTURAL PARTS, INPUT-OUTPUT  
DEVICES, SHELTERS, TABLES, BUILDINGS, CONSTRUCTION,  
ERRORS, SHIELDING, FLOORS, ROOFS, RADIATION HAZARDS,  
WATER, STRUCTURES, DOSAGE (U)  
IDENTIFIERS: 1964 (U)

THESE APPENDICES CONTAIN DETAILS OF COMPUTER  
PROGRAMS USED IN CATEGORIZATION OF STRUCTURES WITH  
RESPECT TO TECHNICAL SHIELDING CHARACTERISTICS AND  
RESULTANT TABULATIONS (A-E); DETAILS OF THE RTI  
33 NFSS PHASE 1 BUILDING SAMPLE SELECTION METHOD  
(F); AN ILLUSTRATION OF PROCEDURES USED IN  
IDENTIFYING BUILDING ELEMENTS CRITICAL TO PF  
COMPUTATIONS (G); RTI COMPUTATIONAL METHOD AND  
FORMS USED IN MAKING ENGINEERING MANUAL PF  
CALCULATIONS FOR THE 33 SAMPLE BUILDINGS (H);  
DESCRIPTIONS OF THE 33 BUILDINGS, THE FIVE PF  
RESULTS (AE PHASE 1 AND 2, RTI FOSDIC WITH AND  
WITHOUT PARTITIONS, AND ENGINEERING MANUAL),  
AND ANALYSES OF INDIVIDUAL BUILDING INPUT AND  
PROCEDURAL DIFFERENCES JUDGED TO HAVE AFFECTED THE  
PF DIFFERENCES (I); CONSTRUCTION DETAILS OF FOUR  
BUILDINGS USED IN COMPARING EXPERIMENTAL AND  
CALCULATED PF'S (J); TRAPPED POTABLE WATER FIELD  
DATA GATHERED IN THE 33 BUILDING SURVEY (K);  
DETAILED ANALYSES OF TECHNICAL OPERATIONS  
RESEARCH REPORTS THAT AFFECT TEN PROCEDURES USED TO  
CALCULATE PF'S (L-N); A SUMMARY OF CONCLUSIONS  
AND RECOMMENDATIONS MADE BY TECHNICAL OPERATIONS  
RESEARCH AND CONCURRED WITH BY RTI (O); AND  
DETAILED RECOMMENDED MODIFICATIONS TO THE NBS-NFSS  
COMPUTER PROGRAM (P). (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-439 612

CORNELL UNIV ITHACA N Y

THE USE OF VOLUNTARY ORGANIZATIONS IN CIVILIAN  
DEFENSE AND PREPAREDNESS,

(U)

MAR 64 285P DEAN, LOIS R. ;  
CONTRACT: OCD OS62 72

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, PREPARATION),  
(\*GROUP DYNAMICS, CIVIL DEFENSE SYSTEMS), BEHAVIOR,  
LEADERSHIP, SOCIAL COMMUNICATION, COSTS, ATTITUDES,  
SHELTERS, URBAN AREAS, SOCIAL SCIENCES, ECONOMICS,  
PUBLIC OPINION

(U)

IDENTIFIERS: VOLUNTEERS, VOLUNTARY ORGANIZATIONS

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-450 228

STANFORD RESEARCH INST MENLO PARK CALIF

ANALYSIS OF POSTATTACK FOOD PROCESSING AND  
DISTRIBUTION.

(U)

DESCRIPTIVE NOTE: PROGRESS REPT.,

JUN 64 120P

BILLHEIMER, JOHN W. IDIXON,

HARVEY L. ;

CONTRACT: OCD 0562 135

PROJ: SRI IMU4021

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (FOOD DISPENSING, NUCLEAR WARFARE),  
RADIOACTIVE FALLOUT, FOOD, CONTAMINATION, STORAGE,  
PROCESSING, DISTRIBUTION, MILK, WHEAT, CIVIL DEFENSE  
SYSTEMS, FOOD POISONING, ANALYSIS

(U)

THIS REPORT DESCRIBES THE INITIAL PHASES OF A  
STUDY DESIGNED TO MODEL THE EFFECTS OF THE FOOD  
PROCESSING AND DISTRIBUTION SYSTEM OF THE UNITED  
STATES ON THE POSTATTACK FLOW OF CONTAMINATED  
FOODSTUFFS. A MODELING METHOD IS PROPOSED THAT  
EMPLOYS UTILIZATION CHARTS, SEASONAL SUPPLY GRAPHS,  
AND VARIOUS PRODUCTION CONSUMPTION TIME LAGS TO  
PROVIDE A QUANTITATIVE DESCRIPTION OF COMMODITY FLOW  
PATTERNS. THESE QUANTITATIVE INDICES ARE ASSIGNED  
POSTATTACK VALUES THROUGH THE USE OF DAMAGE  
ASSESSMENT PROCEDURES DESIGNED TO FIT EXISTING FOOD  
INVENTORY DATA. THE TECHNIQUES PROPOSED IN THIS  
REPORT ARE USED TO DESCRIBE THE PROBABLE PROCESSING  
AND DISTRIBUTION PATTERNS FOLLOWED BY MILK AND WHEAT  
PRODUCTS AFTER A MIXED COUNTERFORCE AND CITY ATTACK  
BASED ON A HIGH THREAT LEVEL. (AUTHOR)

(U)

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DDC REPORT BIBLIOGRAPH SEARCH CONTROL NO. /ZMML7

AD-451 013

IOWA AGRICULTURAL AND HOME ECONOMICS EXPERIMENT STATION  
AMES

COMMUNITY POWER STRUCTURE AND CIVIL DEFENSE. (U)

DESCRIPTIVE NOTE: FINAL REPT.,

64 254P

BOHLEN, JOE M. ; BEAL, GEORGE

M. ; KLONGLAN, GERALD E. ; TAIT, JOHN L. ;

REPT. NO. SR35

CONTRACT: GCD 0562 150

PROJ: IAMES1529

TASK: 4811D

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, SOCIOLOGY),  
(\*CIVIL PERSONNEL, DECISION MAKING), LEADERSHIP, SOCIAL  
SCIENCES, PUBLIC RELATIONS, SOCIAL COMMUNICATION,  
EFFECTIVENESS, PERFORMANCE (ENGINEERING), SHELTERS,  
RADIOACTIVE FALL, URBAN AREAS, RURAL AREAS (U)  
IDENTIFIERS: 1964 (U)

THIS REPORT IS CONCERNED WITH THE DISTRIBUTION OF  
SOCIAL POWER AND ITS POSSIBLE EFFECTS UPON THE  
IMPLEMENTATION OF CIVIL DEFENSE PROGRAMS. THE  
GENERAL OBJECTIVES OF THIS REPORT ARE (1) TO  
DEFINE CONCEPTS WHICH ARE RELEVANT TO UNDERSTANDING  
THE COMMUNITY DECISION-MAKING PROCESS, (2) TO  
PRESENT AN ANALYTICAL MODEL OR FRAMEWORK WHICH A  
LOCAL CIVIL DEFENSE DIRECTOR COULD USE IN ANALYZING  
SOCIAL POWER, (3) TO OPERATIONALIZE THE FRAMEWORK  
IN ONE COMMUNITY, AND (4) TO DETERMINE THE CIVIL  
DEFENSE KNOWLEDGE, SENTIMENTS, SOURCES OF INFORMATION  
AND ACTIONS OF COMMUNITY INFLUENTIALS. THE  
SPECIFIC OBJECTIVES ARE (1) TO DELINEATE THE  
PERSONS PERCEIVED TO BE COMMUNITY INFLUENTIALS AND  
WHO AFFECT THE DECISION-MAKING PROCESSES OF THE  
COMMUNITY, (2) TO DETERMINE THE PERSONAL AND  
SOCIAL CHARACTERISTICS OF THE COMMUNITY INFLUENTIALS,  
(3) TO DETERMINE THE EXTENT TO WHICH THERE IS A  
STRUCTURE IN THE INTERPERSONAL RELATIONSHIPS AMONG  
COMMUNITY INFLUENTIALS, (4) TO DETERMINE THE  
EXTENT TO WHICH THE COMMUNITY INFLUENTIALS ARE  
PERCEIVED TO HAVE SOCIAL POWER IN DIFFERENT ISSUE  
AREAS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-451 079

IOWA ENGINEERING EXPERIMENT STATION AMES

SOCIAL ACTION IN CIVIL DEFENSE. THE STRATEGY OF  
PUBLIC INVOLVEMENT IN A COUNTY CIVIL DEFENSE  
EDUCATIONAL PROGRAM. (U)

DESCRIPTIVE NOTE: FINAL SUMMARY REPT.,

64 74P BEAL, GEORGE M. IYAKBROUGH,

PAUL IKLONGLAN, GERALD E. BOHLEN, JCE M. I

REPT. NO. RURAL SOCIOLOGY-34

CONTRACT: OCU OS62 150

PROJ: 1529

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GROUP DYNAMICS),  
HUMANS, PUBLIC OPINION, PERFORMANCE (HUMAN), SOCIAL  
COMMUNICATION, SOCIOLOGY, DECISION MAKING, FEASIBILITY  
STUDIES, PUBLIC RELATIONS, EDUCATION (U)  
IDENTIFIERS: 1964 (U)

THE PURPOSE OF THE REPORT WAS TO FOCUS ON ONE  
ASPECT OF SOCIAL ACTION AND CIVIL DEFENSE: THE  
INITIATION AND EXECUTION OF LARGE-GROUP SOCIAL ACTION  
AMONG INDIVIDUALS AND ORGANIZATIONS. SPECIFIC  
OBJECTIVES OF THE REPORT WERE (1) TO PRESENT A  
CONSTRUCT OF THE SOCIAL ACTION PROCESS WHICH CAN BE  
USED AS A DESIGN FOR IMPLEMENTING SOCIAL ACTION  
PROGRAMS AND/OR AS A FRAMEWORK FOR ANALYZING EXISTING  
OR PAST SOCIAL ACTION PROGRAMS, (2) TO PRESENT AN  
ANALYSIS OF A SOCIAL ACTION PROGRAM INVOLVING CIVIL  
DEFENSE. (A) TO PRESENT A DESCRIPTIVE BACKGROUND  
OF THE CIVIL DEFENSE SOCIAL ACTION PROGRAM ANALYZED.  
(B) TO ANALYZE IN DEPTH THIS SOCIAL ACTION  
PROGRAM UTILIZING THE SOCIAL ACTION MODEL, AND  
DEVELOPING METHODOLOGY TO OPERATIONALIZE THE SOCIAL  
ACTION CONSTRUCT FOR RESEARCH PURPOSES, AND (3)  
TO DISCUSS THE FINDING OF THE STUDY AND TO EXPLORE  
THE IMPLICATIONS OF THESE FINDINGS IN THE ATTEMPTS OF  
THE OFFICE OF CIVIL DEFENSE TO INSTIGATE OTHER  
SOCIAL ACTION PROGRAMS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-600 438

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION  
ARTS

THE FALLOUT PROTECTION BOOKLET: (III) A  
METHODOLOGICAL COMPARISON OF PRE-TEST RESPONSES OF  
THOSE WHO RESPONDED, REFUSED, OR WERE NOT REACHABLE  
ON THE POST-TEST. (U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.,  
APR 64 23P COSTLEY, DAN IBERLO, DAVID  
K. I  
CONTRACT: OCD 0562 19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, ATTITUDES),  
(\*NUCLEAR WARFARE), HANDBOOKS, SHELTERS, PUBLIC OPINION,  
SURVIVAL, SOCIOMETRICS (U)

A STUDY WAS MADE OF THE IMPACT OF THE 'FALLOUT-  
PROTECTION' BOOKLET WHICH WAS PUBLISHED BY THE  
OCD IN DECEMBER OF 1961. WHILE COLLECTING DATA  
SPECIFIC TO THAT OBJECTIVE, USEFUL INFORMATION  
RELEVANT TO PUBLIC INFORMATION ABOUT AND ATTITUDE  
TOWARD CIVIL DEFENSE WAS COLLECTED. REPORT 1  
PRESENTED DATA ON THE ACCURACY OF PUBLIC KNOWLEDGE  
ABOUT NUCLEAR ATTACK AND CIVIL DEFENSE, THE  
FAVORABILITY OF PUBLIC ATTITUDES TOWARD CIVIL DEFENSE  
MEASURES, OTHER ESTIMATES OF THE PUBLIC AS TO THE  
THREAT OF NUCLEAR WAR AND THE RELATIVE EFFECTIVENESS  
OF VARIOUS SHELTER INDUCEMENTS AND INDUCEMENT AGENTS,  
AND INDICES OF PUBLIC EXPOSURE TO SHELTER  
INFORMATION. REPORT 1 ALSO ANALYZED ATTITUDINAL  
AND DEMOGRAPHIC CORRELATES OF SHELTER KNOWLEDGE,  
BELIEFS, AND PLANS. REPORT 2 PRESENTED DATA  
FROM A COMPARATIVE ANALYSIS OF ATTITUDINAL AND  
INFORMATION LEVELS OF RESPONDENTS WHO HAD BEEN  
DIVIDED INTO FOUR CATEGORIES OF INTEREST WITH RESPECT  
TO CONSTRUCTING FAMILY SHELTERS. THIS REPORT  
PRESENTS THE FINDINGS OF A COMPARISON OF PRE-TEST  
RESPONSES OF THOSE WHO (A) RESPONDED, (B)  
REFUSED, OR (C) WERE NOT REACHABLE ON THE POST-  
TEST. (SEE ALSO AD-404 512). (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-600 751

COLUMBIA UNIV NEW YORK BUREAU OF APPLIED SOCIAL  
RESEARCH

THE AMERICAN PUBLIC AND THE FALLOUT-SHELTER ISSUE (A  
NINE-COMMUNITY SURVEY). VOL. II. THE STUDY DESIGN  
AND THE STUDY COMMUNITIES. (U)

OCT 63 91P LEVINE, GENE N. IMODELL,  
JOHN ;  
CONTRACT: OCD 0562 71

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*PUBLIC OPINION, SHELTERS), (\*CIVIL  
DEFENSE SYSTEMS, PUBLIC OPINION), (\*SHELTERS, PUBLIC  
OPINION), UNITED STATES, SOCIOMETRICS, RADIOACTIVE  
FALLOUT, PSYCHOMETRICS, SELECTION (U)

THE REPORT CONTAINS THE DETAILS OF THE STUDY DESIGN  
AND DESCRIPTIONS OF THE NINE COMMUNITIES IN WHICH  
INTERVIEWS WERE COLLECTED. ATTENTION IS GIVEN TO  
THE WAYS IN WHICH THE STUDY COMMUNITIES WERE SELECTED  
AND THE BASIC QUESTIONNAIRE DEVISED. (SEE ALSO  
AD-600 752) (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-600 752

COLUMBIA UNIV NEW YORK BUREAU OF APPLIED SOCIAL  
RESEARCH

THE AMERICAN PUBLIC AND THE FALLOUT-SHELTER ISSUE (A  
NINE-COMMUNITY SURVEY). VOL. I. A SUMMARY OF  
METHODS, FINDINGS, AND IMPLICATIONS. (U)

MAY 64 34P LEVINE, GENE M. ; MODELL.  
JOHN ;  
CONTRACT: OCD OS62 71

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*PUBLIC OPINION, SHELTERS), (\*CIVIL  
DEFENSE SYSTEMS, PUBLIC OPINION), (\*SHELTERS, PUBLIC  
OPINION), UNITED STATES, SOCIOMETRICS, RADIOACTIVE  
FALLOUT, EMOTIONS, FEAR, PSYCHOMETRICS (U)

A PUBLIC OPINION SURVEY WAS MADE ON THE PUBLIC'S  
REACTIONS TO THE COLD WAR, AND ESPECIALLY TO  
THROW LIGHT ON THEIR OPINIONS AND ACTIONS ON THE  
FALLOUT-SHELTER ISSUE. (AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY    SEARCH CONTROL No. /ZMML7

AD-600 985

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION  
ARTS

CIVIL DEFENSE BELIEF PATTERNS: (V) CHANGE IN BELIEFS,  
PART A. (U)

DESCRIPTIVE NOTE: COMMUNICATIONS RESEARCH REPT.  
SEP 63    60P    MACLEAN, MALCOLM S. JR.;  
DANBURY, THOMAS    TALBOT, ALBERT D.    JENGRETSON,  
ROBERT O. ;  
CONTRACT;    OCD 0562 19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ATTITUDES, CIVIL DEFENSE SYSTEM),  
(•SHELTERS, PUBLIC OPINION), RADIOACTIVE FALLOUT,  
APPLIED PSYCHOLOGY, PERSONALITY (U)

A DESCRIPTION AND TABULAR SUMMARY ARE GIVEN OF THE  
CHANGES IN MAJOR TYPES OF BELIEF PATTERNS ABOUT  
FALLOUT SHELTERS, RADIATION, PEACE, AND DEFENSE. A  
SUMMARY IS INCLUDED OF THE RELATIONSHIPS BETWEEN  
BELIEF PATTERN CHANGES AND VARIOUS INDICES INCLUDING  
CIVIL DEFENSE INFORMATION AND MEDIA EXPOSURE,  
FALLOUT PROTECTION BULLETIN READERSHIP, AND  
GENERAL DEMOGRAPHIC CHARACTERISTICS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-60U 989

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION  
ANTS

CIVIL DEFENSE BELIEF PATTERNS: (VI) CHANGE IN  
BELIEFS, PART B.

(U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.  
NOV 63 69P MACLEAN, MALCOLM S. JR.  
DANBURY, THOMAS ; TALBOTT, ALBERT D. ; ENGBRETSON,  
ROBERT O. ;  
CONTRACT: OGD OS 62 19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*ALTITUDES, CIVIL DEFENSE SYSTEMS),  
(\*SHELTERS, ATTITUDES), PERSONALITY, PUBLIC OPINION,  
APPLIED PSYCHOLOGY, STABILITY (U)

THE REPORT CONTAINS FIVE MAJOR PARTS WITH AN  
ACCOMPANYING APPENDIX FOR EACH PART: (1)  
CHANGES IN THE RANKINGS OF THE FALLOUT SHELTER  
STATEMENTS AND THEIR RELATIONSHIP TO THE DEMOGRAPHIC  
AND GENERAL INFORMATION EXPOSURE INDICES; (2)  
CORRELATES OF STABILITY OF INDIVIDUAL BELIEF  
PATTERNS; (3) CHANGES IN THE BELIEF PATTERNS OF  
THE FOUR FALLOUT SHELTER AND RADIATION TYPES; (4)  
CHANGES IN BELIEF PATTERNS OF THE FIVE PEACE AND  
DEFENSE TYPES; AND (5) BOOKLET READERSHIP. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-600 990

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION  
ARTS

CIVIL DEFENSE BELIEF PATTERNS: (IV) TOPIC  
APPEALS.

(U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.  
SEP 63 62P MACLEAN, MALCOLM S. JR. I  
DANBURY, THOMAS ; TALBOTT, ALBERT D. ; BERNSTEIN,  
NEIL R. ;  
CONTRACT: UCD OS 62-19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ATTITUDES, CIVIL DEFENSE SYSTEM•),  
(ATTITUDES, PERSONALITY), PUBLIC OPINION, APPLIED  
PSYCHOLOGY, SHELTERS

(U)

A DESCRIPTION AND TABULAR SUMMARY ARE GIVEN OF THE  
FIVE MAJOR TYPES OF PERSONS ON THE BASIS OF THEIR  
PATTERNS OF INTEREST IN CIVIL DEFENSE INFORMATION  
TOPICS.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-600 991

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION  
ARTS

CIVIL DEFENSE BELIEF PATTERNS: (V11) SUMMARY. (U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.

MAR 64 21P MACLEAN, MALCOLM S. , JR. ;

DANBURY , THOMAS ; TALBOTT, ALBERT D. ;

CONTRACT: OSD OS 62 17

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*ATTITUDES, CIVIL DEFENSE SYSTEMS),  
(\*SHELTERS, ATTITUDES); PERSONALITY, PUBLIC OPINION,  
APPLIED PSYCHOLOGY, RADIOACTIVE FALLOUT (U)

A GENERAL AND OVERALL SUMMARY IS PRESENTED OF THE  
PROGRAM OF RESEARCH ON CIVIL DEFENSE BELIEF PATTERNS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-600 993

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION  
ARTS

CIVIL DEFENSE BELIEF PATTERNS: (1) PEACE AND  
DEFENSE.

(U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.  
APR 63 64P MACLEAN, MALCOLM S. ,JR. ;  
DANBURY, THOMAS ; TALBOTT, ALBERT D. ;  
CONTRACT: OCD 0562 19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ATTITUDES, CIVIL DEFENSE SYSTEMS),  
(•CIVIL DEFENSE SYSTEMS, PUBLIC OPINION), FACTOR  
ANALYSIS, PERSONALITY, APPLIED PSYCHOLOGY, SHELTERS,  
RADIOACTIVE FALLOUT

(U)

A DESCRIPTION AND TABULAR SUMMARY ARE GIVEN OF THE  
FIVE MAJOR TYPES OF PERSONS ON THE BASIS OF THEIR  
PATTERNS OF BELIEF ABOUT PEACE AND DEFENSE.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-601 011  
PITTSBURGH UNIV PA

THE NEAR SYSTEM: A STUDY IN PUBLIC ACCEPTANCE. (U)

FEB 64 204P NEHNEVAJSA, JIRI ;  
CONTRACT: OCD 0563 48

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (PUBLIC OPINION, CIVIL DEFENSE SYSTEMS),  
(CIVIL DEFENSE SYSTEMS, PUBLIC OPINION), (EARLY  
WARNING SYSTEMS, CIVIL DEFENSE SYSTEMS), ATTITUDES,  
WARNING SYSTEMS, COSTS, COLD WAR, UNITED STATES (U)  
IDENTIFIERS: NEAR SYSTEM (U)

THE NEAR SYSTEM STUDY WAS CONDUCTED IN LATE 1963  
AND EARLY IN 1964 IN A SAMPLE OF 1,402 AMERICANS  
INTERVIEWED ON BEHALF OF THE UNIVERSITY OF  
PITTSBURGH BY NATIONAL OPINION RESEARCH  
CENTER OF THE UNIVERSITY OF CHICAGO. THE  
STUDY REVEALED HIGH RECEPTIVITY TO THE IDEA OF A HOME  
ALERTING SYSTEM, AND TO THE SPECIFIC NEAR RECEIVER  
TESTED. AMERICANS CLAIMED THAT THEY WOULD BE  
LIKELY TO ACQUIRE SUCH A DEVICE. DIFFERENCES AMONG  
VARIOUS POPULATION SUBGROUPS WERE ONLY SUBTLE, AND  
NONE RAN IN ENTIRELY OPPOSING DIRECTIONS. IN FACT,  
THE ACTUAL NEAR RECEIVER, ONCE SHOWN, GENERATED A  
MORE FAVORABLE RESPONSE THAN DID THE CONCEPT OF A  
HOME ALERTING SYSTEM AS SUCH. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-601 014

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION  
ARTS

CIVIL DEFENSE BELIEF PATTERNS: (II) SOURCE  
CREDIBILITY.

(U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.  
APR 63 SIP MACLEAN, MALCOLM S. JR.;  
DANBURY, THOMAS ; TALBOTT, ALBERT D. ;  
CONTRACT: OCD OS42 19

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*ATTITUDES, CIVIL DEFENSE SYSTEMS),  
(\*ATTITUDES, SOURCES), (\*SHELTERS, ATTITUDES),  
(\*RADIOACTIVE FALLOUT, ATTITUDES), PUBLIC OPINION,  
PERSONALITY, NUCLEAR PARTICLES, APPLIED PSYCHOLOGY,  
CIVIL DEFENSE PERSONNEL

(U)

INFORMATION IS GIVEN FROM INTERVIEWS ON BELIEF  
PATTERNS CONCERNING DESCRIPTION AND TABULAR SUMMARY  
ARE GIVEN OF THE FIVE MAJOR TYPES OF PERSONS ON THE  
BASIS OF THEIR PATTERNS OF TRUST AND DISTRUST  
ACCORDED SOURCES OF INFORMATION ABOUT FALLOUT  
SHELTERS AND RADIATION.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-601 214

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

STANDARDIZED TESTING FOR THE OFFICE OF CIVIL DEFENSE  
RADIOLOGICAL MONITORING FOR INSTRUCTORS COURSE. (U)

JUN 64 87P SIEGEL, ARTHUR I. ; SCHULTZ,  
DOUGLAS G. ; FEDERMAN, PHILIP I  
CONTRACT: OCD OS62 178

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*PERFORMANCE TESTS, CIVIL DEFENSE  
PERSONNEL), (\*TEST CONSTRUCTION (PSYCHOLOGY),  
INSTRUCTORS), (\*INSTRUCTORS, CIVIL DEFENSE PERSONNEL),  
RADIATION MONITORS, PSYCHOMETRICS (U)

THE DEVELOPMENTAL STEPS FOLLOWED IN CONSTRUCTING  
STANDARDIZED TESTS FOR GRADUATES OF THE OFFICE  
DEFENSE RADIOLOGICAL MONITORING FOR  
INSTRUCTORS COURSES ARE DISCUSSED. THE COMPLETE  
TEST BATTERY CONSISTS OF A MULTIPLE CHOICE, PAPER-  
AND PENCIL TEST COVERING CONTENT AREAS CONSIDERED  
IMPORTANT BY KNOWLEDGEABLE OFFICE OF CIVIL  
DEFENSE AND ATOMIC ENERGY COMMISSION  
PERSONNEL AND TWO PERFORMANCE EXAMINATIONS WHICH TEST  
RADIOACTIVE SOURCE HANDLING AND SURVEY INSTRUMENT  
EMPLOYMENT SKILL. THREE EQUIVALENT, ALTERNATIVE  
FORMS OF THE WRITTEN TEST ARE DESCRIBED. ITEM  
ANALYTIC AND RELIABILITY DATA, ALONG WITH PRELIMINARY  
NORMATIVE MATERIALS, ARE PRESENTED FOR THE WRITTEN  
TESTS. THE CONSTRUCTION AND DEVELOPMENT OF THE  
PERFORMANCE EXAMINATIONS ARE ALSO DETAILED. A TEST  
ADMINISTRATOR'S MANUAL, FOR BOTH THE WRITTEN TESTS  
AND THE PERFORMANCE EXAMINATIONS, IS INCLUDED AS AN  
APPENDIX. (AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-691 467

HUGHES AIRCRAFT CO FULLERTON CALIF

OCD SOFT TARGET STUDY.

(U)

DESCRIPTIVE NOTE: FINAL REPT.

APR 64 213P

REPT. NO. FR-64-15-66

CONTRACT: OCD 0562 277

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, EFFECTIVENESS),  
SHELTERS, NUCLEAR EXPLOSION DAMAGE, NUCLEAR WARFARE  
CASUALTIES, RADIATION EFFECTS, COSTS, PROGRAMING  
(COMPUTERS), COMPUTERS

(U)

THIS REPORT DESCRIBES METHODOLOGY AND ORIGINAL  
COMPUTER PROGRAMS WHICH HAVE BEEN DEVELOPED TO ASSIST  
IN THE ACCOMPLISHMENT OF THE STUDY OBJECTIVE. TWO  
COMPUTER PROGRAMS ARE EMPHASIZED. THE DYNAMIC  
ANALYZER PROGRAM CALCULATES THE EFFECTIVENESS OF  
SPECIFIED SHELTER SYSTEMS IN PROTECTING THE  
POPULATION FROM PARTICULAR ATTACKS. POPULATION  
MOBILITY AND FALLOUT FIELDS WHICH DEPEND ON BOTH TIME  
AND POSITION ARE CONSIDERED. THE WEIGHTED-  
STRATEGY, MULTIPLE SHELTER TYPE MIX AND  
LOCATION OPTIMIZER COMPUTES THE OPTIMAL  
EFFECTIVENESS VERSUS COST CURVE OVER THE RANGE FROM  
ZERO COST TO THE COST OF THE MOST EFFECTIVE SYSTEM  
POSSIBLE WITH A GIVEN SHELTER CATALOG. THIS  
PROGRAM ALSO DETERMINES THE MIX AND DEPLOYMENT OF  
SHELTERS AT DESIRED COST/EFFECTIVENESS LEVELS.  
SOFT TARGET STUDY ACTIVITY HAS SHOWN THAT THERE  
IS A DIFFERENCE IN THE INTENSITY AND RELATIVE  
INTENSITY OF THE DIFFERENT WEAPON EFFECTS FOR CITIES  
NEAR SOFT AND HARD TARGETS. HOWEVER, ALL WEAPON  
EFFECTS NEED TO BE CONSIDERED FOR BOTH CASES. THE  
SIGNIFICANCE OF THIS FACT IS THAT THE PROCEDURES  
DEVELOPED UNDER THE SOFT TARGET STUDY MAY BE  
APPLIED TO THE STUDY OF CIVIL DEFENSE  
COUNTERMEASURES FOR CITIES IN ANY TARGETING  
SITUATION. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-601 930

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

CIVIL DEFENSE COURSE DEVELOPMENT TECHNIQUES.  
INSTRUCTOR'S GUIDE FOR A COURSE IN STATE LEVEL CIVIL  
DEFENSE STAFF OPERATIONS. (U)

JUN 64 152P FLETCHER, DOROTHY E. ; SIEGEL,  
ARTHUR I. ;  
CONTRACT: OCD OS62 121

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, TRAINING), CIVIL  
DEFENSE PERSONNEL, CIVILIAN PERSONNEL, INSTRUCTORS,  
CONTROL, SHELTERS, DEFENSE SYSTEMS, TRANSPORTATION,  
COMMUNICATION SYSTEMS, WARNING SYSTEMS, FEASIBILITY  
STUDIES (U)

AN INSTRUCTOR'S GUIDE FOR A COURSE IN STATE LEVEL  
CIVIL DEFENSE STAFF OPERATIONS IS PRESENTED. THE  
GUIDE REPRESENTS AN ADJUNCT TO ACTUAL COURSE  
MATERIALS DEVELOPED SEPARATELY. THE TOTAL RESULT  
CONSTITUTES THE END PRODUCTS EMERGING FROM A  
FEASIBILITY STUDY INTO TECHNIQUES FOR DEVELOPING  
CIVIL DEFENSE COURSES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY    SEARCH CONTROL NO. /ZMML7

AD-601 931

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

CIVIL DEFENSE COURSE DEVELOPMENT TECHNIQUES. A COURSE  
IN STATE LEVEL CIVIL DEFENSE STAFF OPERATIONS. (U)

JUN 64 364P            FLETCHER, DOROTHY E. SIEGEL,  
ARTHUR I. I  
CONTRACT: OCD 0562 121

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, TRAINING), CIVIL  
DEFENSE PERSONNEL, CIVILIAN PERSONNEL, INSTRUCTORS,  
CONTROL, SHELTERS, DEFENSE SYSTEMS, TRANSPORTATION,  
COMMUNICATION SYSTEMS, WARNING SYSTEMS, FEASIBILITY  
STUDIES (U)

THE RESULTS OF DEVELOPING FOR CIVIL DEFENSE A  
COURSE BASED ON TECHNIQUES CUSTOMARILY EMPLOYED IN  
DEVELOPING COURSES FOR WEAPON SYSTEM'S HARDWARE  
DEVELOPMENT ARE PRESENTED. THE RESULTS ARE  
PRESENTED IN THE FORM OF A COURSE IN STATE LEVEL  
CIVIL DEFENSE STAFF OPERATIONS. PRELIMINARY TEST  
OF THE MATERIALS SUGGESTS THAT A VITAL, NEEDED COURSE  
WAS OBTAINED AND THAT, AT LEAST FOR THE SUBJECT  
MATTER AREA INVESTIGATED, THE TECHNIQUE IS  
APPROPRIATE. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-602 849

HUDSON INST INC HARMON-ON-HUDSON N Y

COLLATERAL DAMAGE.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

JUN 64 136P

KRUPKA, ROBERT A. I

REPT. NO. 361-RK/5

CONTRACT: OCD 0563 122

TASK: 4113D

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*NUCLEAR WARFARE CASUALTIES, CIVILIAN PERSONNEL), (\*POPULATION, NUCLEAR EXPLOSION DAMAGE), (\*SHELTERS, COSTS), BLAST, AERIAL TARGETS, CIVIL DEFENSE SYSTEMS, URBAN AREAS, TABLES, MATHEMATICAL ANALYSIS, MILITARY FACILITIES (U)

THE PAPER PRESENTS THE METHODOLOGY AND RESULTS OF A LIMITED STUDY UNDERTAKEN TO DETERMINE COLLATERAL POPULATION DAMAGE FROM WEAPONS AIMED AT STRATEGIC MILITARY BASES AND TO ROUGHLY ESTIMATE THE COST OF BLAST SHELTERS TO PROTECT EVERYONE AT RISK. FOUR SETS OF CALCULATIONS ARE GIVEN. THE FIRST (APPENDIX A, LABELED 'ROUGH COMPUTATIONS') CONTAINS A DETAILED LISTING OF BASES AND CITIES AT RISK, PLUS MORTALITIES COMPUTED USING CENSUS DATA, TARGET TO CITY DISTANCES, AND THE DAMAGE MODEL SELECTED. THE SECOND (APPENDIX B, LABELED 'DETAIL CALCULATIONS FOR TEN TARGETS') CONTAINS THE RESULTS OF REFINED CALCULATIONS FOR SOME LARGE CITIES IN WHICH EACH CENSUS TRACT IS TREATED AS A POPULATION CENTER. THE THIRD (APPENDIX C, LABELED 'ADJUSTED COMPUTATIONS') CONTAINS THE RESULTS OF MODIFYING THE FIRST SET OF COMPUTATIONS ACCORDING TO THE RESULTS OF THE REFINED COMPUTATIONS. THE FOURTH (APPENDIX D, LABELED 'BLAST SHELTER COST COMPUTATIONS') CONTAINS BLAST SHELTER COST CALCULATIONS FOR PROTECTION AGAINST 1-MT AND 8-MT ATTACKS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-604 274

PUBLIC HEALTH SERVICE WASHINGTON D C DIV OF HEALTH  
MOBILIZATION

THE ROLE OF THE DENTIST IN NATIONAL DISASTER, (U)

JUL 64 21P

CONTRACT: OCD 0563 65

TASK: 2421D

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH THE  
COUNCIL ON FEDERAL DENTAL SERVICES OF THE AMERICAN  
DENTAL ASSOCIATION.

DESCRIPTORS: (\*CIVIL DEFENSE, DENTAL PERSONNEL),  
(\*DENTISTRY, CIVIL DEFENSE), (\*DENTAL PERSONNEL, CIVIL  
DEFENSE), NUCLEAR WAR CASUALTIES, PUBLIC HEALTH,  
TRAINING PROGRAMS, EDUCATION, LEADERSHIP, DIAGNOSIS,  
MEDICAL EXAMINATION, THERAPY, SURGERY (U)

THERE ARE THREE BASIC AREAS OF RESPONSIBILITY IN  
WHICH THE DENTIST CAN SERVE MOST EFFECTIVELY: (A)  
CIVIC OR COMMUNITY; (B) ADMINISTRATIVE; AND  
(C) PROFESSIONAL. THESE AREAS CAN BE CAPABLY  
SERVED BY THE DENTIST WITHOUT RESORT TO EXTRA  
DISCIPLINARY TRAINING. EXTRA DISCIPLINARY  
FUNCTIONS THAT BECOME THE RESPONSIBILITY OF THE  
DENTIST CAN BE ATTAINED THROUGH THE INSTITUTION OF  
TRAINING PROGRAMS UNDER THE COMBINED AEGIS OF THE  
MEDICAL AND DENTAL PROFESSIONS. ONLY THE TOTAL  
HEALTH TEAM APPROACH CAN EFFECTIVELY COPE WITH THE  
PROBLEMS CREATED BY A NATIONAL DISASTER. THE  
EFFECTIVE UTILIZATION OF DENTAL AUXILIARY PERSONNEL;  
THE DENTAL HYGIENIST, DENTAL ASSISTANT AND DENTAL  
LABORATORY TECHNICIAN IS RECOGNIZED AS A NECESSARY  
ADDITION TO THE TOTAL HEALTH TEAM. THE RECOMMENDED  
APPROACH TO PREPARE THE DENTIST AND DENTAL  
AUXILIARIES FOR NEW AND EXPANDED FUNCTIONS IN  
PROVIDING EMERGENCY CARE IN NATIONAL DISASTER IS  
THROUGH THE IMPLEMENTATION OF DISASTER PREPAREDNESS  
PRINCIPLES INTO EXISTING DENTAL CURRICULUMS.  
(AUTHOR; (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-604 275

PUBLIC HEALTH SERVICE WASHINGTON D C DIV OF HEALTH  
MOBILIZATION

THE ROLE OF THE PHARMACIST IN NATIONAL DISASTER. (U)

JUL 64 35P  
CONTRACT: OCD OS63 65  
TASK: 2421D

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH THE  
AMERICAN PHARMACEUTICAL ASSOCIATION'S COMMITTEE ON  
DISASTER AND NATIONAL SECURITY.

DESCRIPTORS: (•PHARMACOLOGY, CIVIL DEFENSE), (•CIVIL  
DEFENSE, MEDICAL PERSONNEL), (•MEDICAL PERSONNEL, CIVIL  
DEFENSE), EDUCATION, TRAINING PROGRAMS, MEDICAL  
SUPPLIES, DRUGS, DOSAGE, STORAGE, MEDICAL EXAMINATION,  
THERAPY, PUBLIC HEALTH, SURVIVAL, COMMUNICABLE DISEASES,  
RADIATION EFFECTS, DECONTAMINATION (U)  
IDENTIFIERS: PHARMACIST (U)

THE ROLE OF THE PHARMACIST IN DISASTER PREPAREDNESS  
WAS RECORDED, SETTING FORTH PRIORITIES ON PHARMACISTS  
IN DIFFERENT TYPES OF PRACTICE. RECOMMENDATIONS  
FOR IMPLEMENTATION OF THE REPORT INCLUDE THE CREATION  
OF AN AWARENESS OF THE PROBLEMS BY ALL PHARMACISTS,  
THE MOTIVATION OF PHARMACISTS TO BETTER EQUIP  
THEMSELVES FOR ASSUMING RESPONSIBILITIES IN DISASTER  
PROGRAMS, AND THE ESTABLISHMENT OF SUITABLE  
EDUCATIONAL OR TRAINING MECHANISMS TO ACHIEVE THESE  
RESULTS. TO DO THIS, CLOSER COORDINATION WITH  
FEDERAL, STATE, AND LOCAL GOVERNMENTS IS URGED, MORE  
USE BY PHARMACISTS OF THE TRAINING MATERIALS OF THE  
MEDICAL SELF-HELP PROGRAM, AND AN EVALUATION OF  
BETTER UTILIZATION OF THE PHARMACEUTICAL RESOURCES OF  
THE COMMUNITY IN SHELTER PROGRAMS. SPECIFICALLY,  
THE COMMITTEE RECOMMENDED: (1) THE  
ESTABLISHMENT OF JOINT COUNCILS OF HEALTH PROFESSIONS  
FOR DISASTER PREPAREDNESS, (2) THE DEVELOPMENT,  
PUBLICATION AND DISTRIBUTION OF A BASIC ORIENTATION  
MANUAL FOR PHARMACISTS, (3) THE ESTABLISHMENT OF  
A PHARMACY LIAISON OFFICER FOR CIVIL DEFENSE. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-606 69U

RAND CORP SANTA MONICA CALIF

THE SOVIET CIVIL DEFENSE PROGRAM,

(U)

MAR 62 24P GOURE, LEON I  
REPT. NO. P-2554

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: THIS LECTURE WAS PREPARED FOR  
PRESENTATION AT THE NATIONAL MEETING OF THE AMERICAN  
CHEMICAL SOCIETY, DIVISION OF INDUSTRIAL AND  
ENGINEERING CHEMISTRY IN WASHINGTON, D. C. 27 MAR  
62.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, USSR), (\*USSR,  
CIVIL DEFENSE SYSTEMS), GOVERNMENT (FOREIGN), SHELTERS,  
POPULATION, TRAINING, PROPAGANDA, SYMPOSIA (U)

SOVIET CIVIL DEFENSE IS THE SUBJECT OF PUBLIC  
DISCUSSION IN THE UNITED STATES WITH A GREAT DEAL  
OF CONFLICTING INFORMATION BEING PUBLISHED ABOUT IT.  
FOLLOWING THE LATE PRESIDENT KENNEDY'S  
ANNOUNCEMENT OF PLANS TO ACCELERATE AND EXPAND THE  
UNITED STATES CIVIL DEFENSE AND SHELTER  
CONSTRUCTION PROGRAM, THE SOVIET UNION HAS DONE  
ITS BEST TO CAST DOUBTS ON THE VALUE OF THE U. S.  
EFFORT AS WELL AS TO DENY THE EXISTENCE OF A SIMILAR  
CIVIL DEFENSE PROGRAM IN THE SOVIET UNION. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-609 094

PITTSBURGH UNIV PA

LEVELS OF ACTIVITY,

(U)

OCT 64 49P ANDERSON, MARTHA WILLIS ;  
CONTRACT: OGD 0563 48

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE PERSONNEL, STATISTICAL DATA), (SOCIOLOGY, CIVIL DEFENSE PERSONNEL), COLD WAR, ATTITUDES, POPULATION, PUBLIC OPINION, UNITED STATES, GEOGRAPHY, URBAN AREAS, SOCIAL SCIENCES (U)

AN INVESTIGATION WAS CONDUCTED INTO THE EXTENT AND COMPOSITION OF SUPPORT FOR THE CIVIL DEFENSE PROGRAM FROM WORLD WAR II TO 1963. THE REPORT IS ONE OF A SERIES OF PAPERS BASED ON DATA FROM A UNIVERSITY OF PITTSBURGH NATIONAL STUDY ENTITLED THE COLD WAR AND CIVIL DEFENSE ATTITUDES, CONDUCTED DURING THE YEAR 1963 WITH A SAMPLE OF 1,434. THE FOCUS WAS A SET OF THREE QUESTIONS ABOUT CIVIL DEFENSE ACTIVITY: 1) HAD THE RESPONDENT OR ANY MEMBER OF HIS FAMILY EVER BEEN ACTIVE IN CIVIL DEFENSE, 2) WHEN, AND 3) WHAT DID THEY DO. RESPONSES TO THESE QUESTIONS WERE RUN AGAINST RELEVANT PERSONAL DATA IN ORDER TO ATTEMPT TO DETERMINE THE NUMBER AND COMPOSITION OF THE GROUP WHICH HAD BEEN ACTIVE. IT BECAME IMMEDIATELY APPARENT THAT 14.6 PERCENT OF OUR RESPONDENTS, OR 196 PEOPLE, HAD BEEN ACTIVE IN CIVIL DEFENSE AT ANY TIME, AND FURTHER THAT THE MAJORITY OF THESE PEOPLE HAD BEEN ACTIVE DURING THE SECOND WORLD WAR AND HAD PARTICIPATED MOST OFTEN IN TERMS OF CARRYING OUT ASSIGNED ROLES. THE GROUP SEEN AS ACTIVE AT THE TIME OF INTERVIEW IS ANALYZED SINGLY, IN TERMS OF THE PERSONAL DATA. (AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-609 095  
PITTSBURGH UNIV PA

COLD WAR AND CIVIL DEFENSE ATTITUDES; THE  
DESIRABILITY OF ALTERNATE MODES OF ORGANIZING A CIVIL  
DEFENSE EFFORT, (U)

OCT 64 20P COLEMAN, ALAN N. ;  
CONTRACT: OCD 0563 48

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*COLD WAR, ATTITUDES), (\*CIVIL DEFENSE  
SYSTEMS, PUBLIC OPINION), (\*SOCIOLOGY, CIVIL DEFENSE  
SYSTEMS), UNITED STATES, STATISTICAL DATA, POPULATION,  
URBAN AREAS, RURAL AREAS, SOCIAL SCIENCES (U)

A NATIONAL SAMPLE OF 1,434 RESPONDENTS WAS ASKED TO  
ASSESS THE DESIRABILITY OF EACH OF FIVE DIFFERENT  
WAYS OF ORGANIZING A CIVIL DEFENSE PROGRAM: (1)  
ONE CARRIED OUT MOSTLY BY VOLUNTEERS; (2) A  
PROGRAM UNDER STATE AND LOCAL GOVERNMENTS; (3) A  
NEAR-MILITARY ORGANIZATION, SIMILAR TO THE NATIONAL  
GUARD; (4) A PROGRAM UNDER ONE OF THE PRESENT  
ARMED SERVICES; (5) A NEW, SEPARATE SERVICE ALONG  
THE LINES OF THE PRESENT ARMED FORCES. IN  
ASSESSING THE NATURE OF THE SOCIAL SITUATION FROM  
WHICH OPINIONS ON THE ABOVE-MENTIONED ALTERNATIVES  
WERE GENERATED, IT WAS FOUND, ON THE ONE HAND, THAT  
ALL OF THE PROGRAMS WERE GENERALLY MORE DESIRABLE TO  
RESPONDENTS IN THE LOWER SOCIOECONOMIC POSITIONS IN  
THE SOCIETY (IN TERMS OF INCOME, EDUCATION AND  
OCCUPATION) AND THAT CATHOLIC RESPONDENTS FOUND  
ALL OF THE ALTERNATIVES MORE DESIRABLE THAN DID  
PROTESTANTS, WITH THE EXCEPTION OF THE STATE-LOCAL  
PROGRAM, WHERE BOTH GROUPS FOUND IT EQUALLY  
FAVORABLE. ON THE OTHER HAND, DIFFERENCES IN  
SOCIAL FACTORS WERE REFLECTED IN THE FINDINGS THAT  
NON-METROPOLITAN AREAS OF RESIDENCE FOUND THE  
VOLUNTARY AND STATE-LOCAL ALTERNATIVES MORE DESIRABLE  
THAN DID METROPOLITAN AREAS; THAT THE VOLUNTARY  
PROGRAM WAS FAVORED EQUALLY BY REPUBLICANS AND  
DEMOCRATS BUT THE STATE-LOCAL WAS DESIRED MORE BY  
REPUBLICANS, ALL OTHER ALTERNATIVES BEING FAVORED  
MORE BY DEMOCRATS THAN REPUBLICANS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-609 202

PITTSBURGH UNIV PA

SOME PUBLIC VIEWS ON CIVIL DEFENSE PROGRAMS, (U)

DEC 64 112P NEHNEVAJSA, JIRI ; BRODIF,  
DOROTHY V. ; KROCHMAL, DONNA ; POMEROY, RICHARD ;

CONTRACT: OCU OS63 48

TASK: 48128

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, PUBLIC OPINION),  
(\*PUBLIC OPINION, CIVIL DEFENSE SYSTEMS), SOCIOLOGY,  
SHELTERS, COSTS, ATTITUDES, POPULATION, UNITED STATES,  
STATISTICAL DATA, SAMPLING, ABSTRACTING (U)

THESE FOUR REPORTS ARE BASED ON A SURVEY OF CIVIL DEFENSE AND COLD WAR ATTITUDES CONDUCTED IN MID-1963. INTERVIEWS WERE CONDUCTED WITH A NATIONAL PROBABILITY SAMPLE OF 1,434 AMERICANS. EACH REPORT TAKES AS A TOPIC A KEY ASPECT OF THE SAMPLE'S ORIENTATION TO CIVIL DEFENSE SYSTEMS AND COLD WAR ISSUES AND ANALYZES IT IN TERMS OF RELEVANT SOCIAL AND PERSONAL CHARACTERISTICS. INTERVIEW SCHEDULES WERE ADMINISTERED IN THE SUMMER OF 1963 AND DEALT WITH THE LIKELIHOOD AND DESIRABILITY OF VARIOUS ALTERNATIVE SHELTER SYSTEMS AND COLD WAR OUTCOMES. IN ADDITION TO THE DATA COLLECTED ON ATTITUDES AND OPINIONS ON THE CENTRAL ISSUES RESPONDENTS WERE ASKED A SERIES OF QUESTIONS SPECIFYING PERTINENT ELEMENTS OF THEIR SOCIAL AND PERSONAL ATTRIBUTES. THESE DEALT WITH SUCH TOPICS AS MARITAL STATUS, FAMILY INCOME, EDUCATION, AGE, ETC., AND A VARIETY OF OTHER QUESTIONS TAPPING THESE DIMENSIONS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-611 160

FEDERAL CIVIL DEFENSE ADMINISTRATION WASHINGTON D C

DAMAGE TO CONVENTIONAL AND SPECIAL TYPES OF  
RESIDENCES EXPOSED TO NUCLEAR EFFECTS.

(U)

DESCRIPTIVE NOTE: REPT. FOR FEB-MAY 55,

APR 61 81P RANDALL, PHILIP A. :

PROJ: 31 1

MONITOR: WT , 1194

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON OPERATION TEAPOT. RESEARCH  
DONE IN COOPERATION WITH THE FEDERAL HOUSING  
ADMINISTRATION, WASHINGTON, D. C., AND THE HOUSING  
AND HOME FINANCE AGENCY, WASHINGTON, D. C.

DESCRIPTORS: (•HOUSING, NUCLEAR EXPLOSION DAMAGE),  
(•NUCLEAR EXPLOSION DAMAGE, HOUSING), (•CIVIL DEFENSE  
SYSTEMS, HOUSING), BUILDINGS, WOOD, BRICK, REINFORCED  
CONCRETE, STRUCTURAL PROPERTIES, VULNERABILITY, NUCLEAR  
EXPLOSIONS, CIVIL ENGINEERING, PHOTOGRAPHS (U)  
IDENTIFIERS: TEAPOT OPERATION (U)

AT THE NEVADA TEST SITE OF THE ATOMIC  
ENERGY COMMISSION, 10 RESIDENTIAL STRUCTURES WERE  
EXPOSED TO THE EXPLOSION OF A NUCLEAR DEVICE (APPLE  
II) OF APPROXIMATELY 30-KT YIELD, DETONATED ATOP A  
500-FT TOWER, TO TEST THEIR BEHAVIOR AND RESISTANCE  
TO NUCLEAR WEAPONS EFFECTS AND TO OBTAIN DATA THAT  
WILL CONTRIBUTE TO THE DEVELOPMENT OF IMPROVED  
PROTECTIVE DESIGNS. FROM A DETERMINATION OF THE  
BEHAVIOR OF THESE STRUCTURES UNDER BLAST, THERMAL,  
AND NUCLEAR RADIATION EFFECTS, IT SHOULD BE POSSIBLE  
TO DETERMINE THE BEST STEPS TO BE TAKEN FOR THE  
PROTECTION OF FAMILIES LIVING IN SUCH STRUCTURES AND  
TO OBTAIN NECESSARY ADDITIONAL DATA ON THE STRENGTHS  
OF THE STRUCTURES AS A WHOLE AND POSSIBLE WEAKNESSES  
IN COMPONENT PARTS. THE PROJECT WAS CONCERNED  
PRIMARILY WITH BLAST AND RADIATION EFFECTS ON  
RESIDENTIAL STRUCTURES, AND PRECAUTIONS WERE TAKEN TO  
AVOID IGNITION OF THE STRUCTURES BY THE THERMAL  
ENERGY OF THE EXPLOSION. DATA OBTAINED ARE  
EXPECTED TO BE USEFUL ALSO IN THE DEVELOPMENT OF  
METHODS FOR STRENGTHENING THE STRUCTURES WITHIN  
LIMITS OF PRACTICAL ECONOMY, AND IN PROVIDING  
INFORMATION ON THE POSSIBLE USE OF THE STRUCTURES FOR  
HOUSING WITHOUT MAJOR REPAIRS FOLLOWING A NUCLEAR  
EVENT. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-611 438

RESEARCH TRIANGLE INST DURHAM N C

A THESAURUS OF CIVIL DEFENSE DESCRIPTORS. CIVIL  
DEFENSE INFORMATION SYSTEMS ANALYSIS.

(U)

DESCRIPTIVE NOTE: FINAL REPT., APP. E: VOL. 2, 1 DEC  
63-15 JAN 65,

JAN 65 224P HERZOG, W. T. | JENKINS, J. E. |  
REPT. NO. OU-158-1  
TASK: 46318

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•INFORMATION RETRIEVAL, CIVIL DEFENSE  
SYSTEMS), (•SUBJECT INDEXING, CIVIL DEFENSE SYSTEMS),  
(•CIVIL DEFENSE SYSTEMS, DOCUMENTATION), INDEXES,  
VOCABULARY, CLASSIFICATION, INSTRUCTION MANUALS,  
LANGUAGE, LIBRARIES, RECORDS, REPORTS, ANALYSIS (U)  
IDENTIFIERS: DESCRIPTORS, THESAURI, CODING (U)  
(DOCUMENTATION)

A LISTING OF APPROXIMATELY 600 WORDS OR PHRASES  
(DESCRIPTORS) IS PROVIDED FOR USE IN INDEXING AND  
RETRIEVING CIVIL DEFENSE RESEARCH INFORMATION.  
INCLUSION NOTES, 'USE,' AND 'ALSO SEE'  
REFERENCES ARE PROVIDED AS WELL AS GENERAL DIRECTIONS  
FOR APPLYING DESCRIPTORS TO CIVIL DEFENSE  
INFORMATION. THE DESCRIPTOR SELECTION WAS MODELED  
ON THE SYSTEM OF THE DEFENSE DOCUMENTATION  
CENTER (DDC). ABOUT 70 OF THE 600 DESCRIPTORS  
ARE NOT USED BY DDC. THEY WERE CHOSEN FROM THE  
CIVIL DEFENSE MATRIX AND FROM SPECIAL FIELDS OF  
INTEREST. THIS CORE OF 600 GENERAL DESCRIPTORS CAN  
BE SUPPLEMENTED WITH SPECIFIC TERMS IN THE SUBJECT  
AREAS WHERE THE QUANTITY OF DOCUMENTS WARRANTS MORE  
INTENSIVE INDEXING. FROM PREVIOUS LIBRARY  
EXPERIENCE (PB-166 415), IT IS ESTIMATED THAT THE  
600 DESCRIPTORS CHOSEN ARE THE MINIMUM NUMBER NEEDED  
FOR A COLLECTION OF 1000 DOCUMENTS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-611 764

DUNLAP AND ASSOCIATES INC DARIEN CONN

REQUIREMENTS FOR LOCAL PLANNING TO COVER HAZARDS OF  
FALLOUT. VOLUME 1. (U)

DESCRIPTIVE NOTE: FINAL REPT., VOL. 1:

JAN 65 63P

REPT. NO. DRD-64-110 VOL. 1

CONTRACT: OCD OS63 161

TASK: 4531A

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, EFFECTIVENESS),  
(•SHELTERS, MANAGEMENT PLANNING), POPULATION,  
DISTRIBUTION, TRAFFIC, PASSENGER VEHICLES, FIRES, FIRE  
SAFETY, HAZARDS, RADIOACTIVE FALLOUT, LINEAR  
PROGRAMMING, CONNECTICUT (U)

THE STUDY CONCENTRATED UPON DEVELOPING EFFECTIVE  
PLANS FOR ASSIGNING SHELTERS TO POPULATION, AND FOR  
BRINGING THE POPULATION TO THE SHELTER. TWO  
MEDIUM-SIZED TOWNS IN CONNECTICUT, STAMFORD AND  
WATERBURY, WERE STUDIED IN DETAIL. FOR EACH  
TOWN, A STUDY WAS MADE ON THE EFFECTIVENESS OF A  
NUMBER OF PLANS OF VARYING DETAIL AND COMPLEXITY IN  
GETTING PEOPLE TO SHELTER. IN ALL PLANS IT WAS  
ASSUMED THAT ENOUGH TRAFFIC CONTROL WOULD BE SET UP  
TO AVOID BLOCKAGES OF TRAFFIC NEAR SHELTERS, AND THAT  
THE POPULATION WOULD KNOW TO WHAT SHELTER AREAS THEY  
HAD BEEN ASSIGNED, AND HOW THEY WERE SUPPOSED TO GET  
THERE. TWO TYPES OF SHELTER ASSIGNMENT WERE MADE:  
THE FIRST WAS BY CENSUS TRACT, THE SECOND BY  
INDIVIDUAL LOCATION. IN THE FIRST, PEOPLE FROM  
SHELTER-POOR CENSUS TRACTS WERE DIRECTED TO SHELTER-  
RICH CENSUS TRACTS, ACCORDING TO A LINEAR PROGRAMMING  
METHOD AIMED AT MINIMIZING DISTANCE TRAVELED. IN  
THE SECOND, A SIMILAR METHOD WAS USED TO ASSIGN  
PEOPLE TO ACTUAL BUILDINGS. STUDIES WERE MADE OF  
VARIOUS SPEEDS OF MOVEMENT TO SHELTER AND THEIR  
EFFECTS UPON RATE AT WHICH THE POPULATION WAS  
SHELTERED. PLANNING PROBLEMS ASSOCIATED WITH  
PRIMARY AND SECONDARY FIRES WERE GIVEN CURSORY  
EXAMINATION. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-612 299

RESEARCH TRIANGLE INST DURHAM N C

CIVIL DEFENSE INFORMATION SYSTEMS ANALYSIS (A  
FEASIBILITY STUDY OF RESEARCH INFORMATION  
EXCHANGE).

(U)

DESCRIPTIVE NOTE: FINAL REPT., VOL. 1, 1 DEC 63-15 JAN  
65,

JAN 65 146P HERZOG, W. T. ; JENKINS, J. E. ;  
REPT. NO. R-OU-158-1  
TASK: 46318

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, DOCUMENTATION),  
(•INFORMATION RETRIEVAL, CIVIL DEFENSE SYSTEMS), SUBJECT  
INDEXING, REPORTS, LIBRARIES, LANGUAGE, VOCABULARY,  
CIVIL DEFENSE PERSONNEL, ANALYSIS, SOURCES, FEASIBILITY  
STUDIES (U)

IDENTIFIERS: INFORMATION SYSTEMS, INFORMATION CENTERS,  
INFORMATION EXCHANGE SYSTEM (U)

A FEASIBILITY STUDY WAS PERFORMED OF A CIVIL  
DEFENSE SCIENTIFIC AND TECHNICAL INFORMATION SYSTEM  
THAT WILL INSURE THE READY AVAILABILITY OF  
INFORMATION TO ALL PERTINENT OCD ELEMENTS AND TO  
CONTRACT RESEARCH PERSONNEL. A BRIEF ANALYSIS OF  
SCIENTIFIC INFORMATION SYSTEMS IS PRESENTED AS  
BACKGROUND FOR A DISCUSSION OF THE PRESENT CIVIL  
DEFENSE INFORMATION SYSTEM. THE POTENTIAL SOURCES  
OF CIVIL DEFENSE INFORMATION ARE LISTED. THE CIVIL  
DEFENSE INFORMATION SYSTEM IS DEFINED TO BE THE  
RELATIONSHIPS OR EXCHANGE BETWEEN THE SOURCES OF  
CIVIL DEFENSE INFORMATION AND THE USERS OF THIS  
INFORMATION. METHODS FOR IMPROVING THIS EXCHANGE  
ARE PRESENTED. THESE SUGGESTIONS INCLUDE THE  
ESTABLISHMENT OF AN INFORMATION ANALYSIS CENTER,  
THE PRINTING OF A QUARTERLY TECHNICAL PROGRESS  
REVIEW, AND THE USE OF STANDARD REPORT FORMAT AND  
INDEXING PROCEDURES. TO FOSTER STANDARD INDEXING  
PROCEDURES, A 'THESAURUS OF CIVIL DEFENSE  
DESCRIPTORS' IS PROVIDED (AD-611 438).  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-612 706

INSTITUTE FOR DEFENSE ANALYSES ARLINGTON VA ECONOMIC AND  
POLITICAL STUDIES DIV

FEDERAL CIVIL DEFENSE ORGANIZATION; THE RATIONALE OF  
ITS DEVELOPMENT. (U)

JAN 65 107P GESSERT, ROBERT A. (JORDAN,  
NEHEMIAH) TASHJEAN, JOHN E.  
REPT. NO. STUDY S-184 IDA/HQ-65-3480  
CONTRACT: OCD-OS-63-134

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, MANAGEMENT  
PLANNING), NATIONAL DEFENSE, DEFENSE SYSTEMS,  
COMMUNICATION SYSTEMS, UNITED STATES GOVERNMENT,  
DEPARTMENT OF DEFENSE, SHELTERS, EDUCATION, CIVIL  
DEFENSE PERSONNEL, DECISION MAKING, WARNING SYSTEMS,  
COSTS, HISTORY (U)

IDENTIFIERS: COST-EFFECTIVENESS ANALYSIS,  
ORGANIZATIONS (U)

THE PRESENT STUDY EXAMINES THE ORGANIZATIONAL  
CONCEPTS WHICH HAVE EMERGED DURING THE MODERN HISTORY  
OF CIVIL DEFENSE. SINCE THESE HAVE DERIVED LARGELY  
FROM POLITY-ORIENTED APPROACHES, CONCEPTS OF THE ROLE  
OF CIVIL DEFENSE IN NATIONAL SECURITY POLICY AND  
MACHINERY, OF FEDERAL, STATE, AND LOCAL  
RESPONSIBILITIES, AND OF EMERGENCY POWERS ARE  
STRESSED. THE ISSUES UNDERLYING THESE POLITY  
PROBLEMS ARE CONSIDERED UNDER THREE MAIN HEADINGS:  
THE MISSION AND PURPOSE OF CIVIL DEFENSE, THE  
OPERATIONAL REQUIREMENTS FOR FULFILLING THE LIFE-  
SAVING MISSION, AND THE POLICY CONSTRAINTS WHICH  
LIMIT THE RANGE OF FEASIBLE WAYS TO MEET  
REQUIREMENTS. COST/EFFECTIVENESS ANALYSES ARE  
SUGGESTED FOR INITIAL COMPARISONS OF THE ALTERNATIVE  
ORGANIZATIONAL SYSTEMS FOR SATISFYING REQUIREMENTS  
FOR PROTECTIVE CAPABILITIES, EMERGENCY SERVICES,  
RESOURCE ALLOCATION, AND COMMUNICATIONS SYSTEMS.  
BROAD ORGANIZATIONAL PROPOSALS WHICH HAVE BEEN  
RECOMMENDED ARE EXAMINED, AND THE PRINCIPAL REASONS  
FOR WHICH THEY HAVE BEEN REJECTED ARE INDICATED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-613 608

MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION  
ARTS

ARGUMENTATIVE THEMES IN CIVIL DEFENSE: (1) A CONTENT  
ANALYSIS OF THE NEW YORK TIMES. (U)

DESCRIPTIVE NOTE: COMMUNICATION RESEARCH REPT.  
JUN 64 75P BETTINGHAUS, ERWIN P. ;

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, PUBLIC OPINION),  
(•NEWSPAPERS, CIVIL DEFENSE SYSTEMS), NUCLEAR WARFARE,  
SHELTERS, COSTS, HISTORY, POLITICAL SCIENCE, UNITED  
STATES GOVERNMENT, ATTITUDES, SURVIVAL, DISARMAMENT (U)  
IDENTIFIERS: FALLOUT SHELTERS, NEW YORK TIMES (U)

THE REPORT PROVIDES THE COMMUNICATION RESEARCHER OR  
THE PUBLIC AFFAIRS SPECIALIST WITH A CATEGORY SCHEME  
FOR DESCRIBING THE MATERIALS TO BE FOUND IN THE CIVIL  
DEFENSE FIELD. IT ALSO PROVIDES AN APPENDIX WHICH  
ATTEMPTS TO RECONCILE TWO DIVERGENT REPORTS ON CIVIL  
DEFENSE MATERIALS. ONE REPORT, ENTITLED  
ARGUMENTATIVE THEMES IN CIVIL DEFENSE, IS  
COMPARED WITH CIVIL DEFENSE AND SOCIETY BY  
JERI NEHNEVAJSA AND HIS COLLEAGUES AT THE  
UNIVERSITY OF PITTSBURGH. THE COMPARISON  
INDICATES THAT THE TWO REPORTS ARE NOT INCOMPATIBLE,  
ALTHOUGH THE CATEGORY SCHEMES USED IN THE TWO SEEM  
QUITE DIFFERENT. THE REPORT SUGGESTS THAT THERE ARE  
SIXTEEN GENERAL AREAS INTO WHICH CIVIL DEFENSE  
MATERIALS CAN BE PLACED. THE CATEGORIES ARE ONLY  
RELATIVELY INDEPENDENT, BUT CERTAINLY SERVE TO  
DISTINGUISH VARIOUS POSITIONS IN THE CIVIL DEFENSE  
DIALOGUE. THE REPORT ALSO OFFERS THE FOLLOWING  
TENTATIVE CONCLUSIONS REGARDING THE FREQUENCY OF  
MATERIALS APPEARING IN THE NEW YORK TIMES FOR  
THE PERIOD CITED: (1) THE GREATEST PERCENTAGE  
(39.4%) OF ALL ARGUMENTS IDENTIFIED REFERRED TO  
FALLOUT SHELTERS; AND (2) THE LARGEST PERCENTAGE  
OF ALL STORIES (48.2%) WERE FOUND TO BE FAVORABLE  
TO OCD POLICIES, AND, WHEN THE NEUTRAL ARTICLES ARE  
REMOVED FROM CONSIDERATION, THE PERCENTAGE RISES TO  
69.9%. (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-613 637

HUDSON INST INC HARMON-ON-HUDSON N Y

CHANGING PROSPECTS, MISSIONS AND ROLES FOR CIVIL  
DEFENSE: 1965-1975,

(U)

FEB 65 47P BROWN, WILLIAM M. ; CASTIL,  
RAYMOND D. ; KAHN, HERMAN ; WIENER, ANTHONY J. ;

REPT. NO. HI-477-RR  
CONTRACT: OCD 0562 18  
TASK: 4211A

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, EFFECTIVENESS),  
COLD WAR, WARNING SYSTEMS, DEFENSE SYSTEMS, ARMS  
CONTROL, DETERRENCE, STRATEGIC WARFARE, NUCLEAR WARFARE,  
SHELTERS, USSR, UNITED STATES (U)

THE MAJOR CONCLUSION FOR CIVIL DEFENSE PLANNING IS  
THAT SMALL OR INTRAWAR ATTACKS, ARISING OUT OF DEEP  
CRISES, ARE THE EASIEST AND CHEAPEST TO PREPARE  
AGAINST, APPARENTLY THE LEAST UNLIKELY, AND YET AMONG  
THE MOST NEGLECTED OF CIVIL DEFENSE CONTINGENCIES.  
WHILE THE POSSIBILITY OF MASSIVE SURPRISE ATTACK  
SHOULD NOT BE IGNORED, THE RELATIVE OVEREMPHASIS UPON  
IT HAS HAMPERED REALISTIC PLANNING EFFORTS. A MORE  
REALISTIC ALLOCATION OF PLANNING EMPHASES LEADS TO  
INCREASED INTEREST IN CIVIL DEFENSE AND EMERGENCY  
PLANNING PROGRAMS CONTAINING SOME OR ALL OF THE  
FOLLOWING ELEMENTS: (1) A CRISIS MOBILIZATION  
BASE; (2) A TENSION MOBILIZATION BASE; (3) A  
POST-ATTACK RECUPERATION BASE; (4) POSSIBLE ARMS  
CONTROL AND INCREASED DEFENSE AGREEMENTS, INCLUDING  
COOPERATIVE CIVIL DEFENSE; AND (5) PROGRAMS THAT  
VARY PROTECTION WITH POPULATION DENSITY TO REDUCE THE  
LUCRATIVENESS OF POPULATION TARGETS. STRATEGIC AND  
POLITICAL ASPECTS OF SUCH PROGRAM ELEMENTS ARE  
DISCUSSED, AND, ON BALANCE, THEY ARE RECOMMENDED.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-613 666

PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

PERCEIVED EFFECTIVENESS OF AMERICA'S DEFENSES. (U)

MAR 65 16dP BRODIE, DOROTHY V. ;  
TASK: 48 21C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: AVAILABLE COPY WILL NOT PERMIT FULLY  
LEGIBLE REPRODUCTION. REPRODUCTION WILL BE MADE IF  
REQUESTED BY USERS OF DDC. COPY IS AVAILABLE FOR PUBLIC  
SALE.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, PUBLIC OPINION),  
EFFECTIVENESS, SHELTERS, NUCLEAR WARFARE, COLD WAR,  
WEAPON SYSTEMS, POPULATION, SAMPLING, WARNING SYSTEMS,  
COSTS, SOCIOLOGY, TABLES (U)

THE REPORT EXAMINES LEVELS OF CONFIDENCE IN  
AMERICA'S DEFENSE SYSTEM. THE SPECIFIC PROGRAMS  
WHICH ATTEMPT TO SATISFY THE GOALS OF THE SYSTEM WERE  
CONSIDERED IN THE ANALYSIS. THESE INCLUDED THE  
PUBLIC'S ESTIMATE OF EFFECTIVENESS OF ACTIVE AND  
PASSIVE DEFENSES. EXAMINATION OF THE CONFIDENCE IN  
PASSIVE DEFENSES INVOLVED THE EVALUATION OF  
EVACUATION PROGRAMS, SHELTER PROGRAMS, PROBLEMS OF  
WARNING TIME, LOCAL CIVIL DEFENSE EFFORTS, COST  
EFFECTIVENESS OF THE SYSTEM, AND EVALUATION OF CIVIL  
DEFENSE PROGRAMS IN RELATION TO VARIOUS TYPES OF  
WEAPONS EFFECTS. ALL AVAILABLE EMPIRICAL EVIDENCE  
ON THESE TOPICS, DRAWN FROM THE UNIVERSITY OF  
PITTSBURGH'S DATA BANK, WAS REVIEWED. AN ATTEMPT  
WAS MADE TO SPECIFY THE TOPICS BY PERTINENT CROSS-  
TABULATIONS. WHENEVER FEASIBLE, THE SAMPLE  
POPULATIONS WERE DISCRETELY IDENTIFIED INTO  
DEMOGRAPHIC SUB-GROUPS AND OTHER PERTINENT  
INDICATORS. THE DATA WAS DRAWN FROM VARIOUS  
INSTRUMENTS AND VARIOUS SAMPLES. WITHIN  
LIMITATIONS OF THE DATA, A TREND ANALYSIS  
ESTABLISHING THE BASIC CHRONOLOGY OF PUBLIC OPINION  
ON THE MAJOR ISSUES WAS PROVIDED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-614 386

PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

THREAT PERCEPTION AND CIVIL DEFENSE.

(U)

MAR 65 202P KONTOS, DONNA K. I  
TASK: 48 21C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, THREAT  
EVALUATION), (\*THREAT EVALUATION, PUBLIC OPINION),  
(\*PUBLIC OPINION, CIVIL DEFENSE SYSTEMS), SHELTERS,  
FEAR, ATTITUDES, CIVILIAN PERSONNEL, EFFECTIVENESS,  
TARGETS, POPULATION, NUCLEAR WARFARE (U)

THE ANALYSIS OF THE NATION'S PERCEPTION OF THREAT  
INCLUDED ANXIETY ABOUT WAR; THE NATURE OF THE THREAT  
PERCEIVED, NAMELY: WHAT ARE THE PERCEIVED TARGETS  
AND WHAT WEAPONS WILL BE USED; ESTIMATES OF WEAPONS  
EFFECTS; THE CONSEQUENCES OF THREAT PERCEPTION OF  
VARYING DEGREES AND TYPE FOR ACTION; AND THE  
CONSEQUENCES OF THREAT PERCEPTION OF VARYING DEGREES  
AND TYPE ON THE RESPONDENT'S FEELING ABOUT CIVIL  
DEFENSE AND/OR FALLOUT SHELTERS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-615 725

NATIONAL LEAGUE OF CITIES WASHINGTON D C DEPT OF URBAN  
STUDIES

INTERGOVERNMENTAL CIVIL DEFENSE ORGANIZATIONS AND  
PROGRAMS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

APR 65 31UP WILLIAMS, LAWRENCE A. ;

VEILLETTE, PETER D. ; BULLIS, ANDREW S. ;

TASK: 4412B

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, URBAN AREAS),  
(URBAN AREAS, CIVIL DEFENSE SYSTEMS), OPERATION,  
LEADERSHIP, ATTITUDES, PUBLIC OPINION

(U)

IDENTIFIERS: LOCAL GOVERNMENTS

(U)

PATTERNS OF LOCAL GOVERNMENT AND THE JURISDICTIONAL  
IMPEDIMENTS TO THE EFFECTIVE PERFORMANCE OF LOCAL  
SERVICES ARE DESCRIBED AND RELATED TO CIVIL DEFENSE  
ORGANIZATIONAL PROBLEMS. THE MAJOR ALTERNATIVE  
APPROACHES TO LOCAL GOVERNMENT JURISDICTIONAL  
REORGANIZATION AND THE ADVANTAGES AND DISADVANTAGES  
ATTRIBUTED TO EACH ARE EXAMINED. THREE INTER-LOCAL  
GOVERNMENT CIVIL DEFENSE AGENCIES ARE TREATED ON A  
CASE STUDY BASIS. EMPHASIS IS PLACED UPON LOCAL  
GOVERNMENT CIVIL DEFENSE ORGANIZATION, POWERS, AND  
INTERGOVERNMENTAL RELATIONSHIPS. ATTENTION IS  
GIVEN TO (1) THE ROLE OF THE STATES, (2)  
METHODS OF POLICY FORMULATION, (3) ARRANGEMENTS  
FOR POLITICALLY RESPONSIBLE SUPERVISION, (4)  
ARRANGEMENTS FOR ESTABLISHING AUTHORITY FOR UNIFIED  
AND COORDINATED EMERGENCY OPERATIONS, (5)  
PROCEDURES FOR ALLOCATING COSTS, AND (6) THE  
INCREMENTS IN CIVIL DEFENSE CAPABILITY RESULTING FROM  
AREA-WIDE ORGANIZATIONS. THE VIEWS OF LOCAL  
ELECTED OFFICIALS IN EIGHT METROPOLITAN AREAS  
RELATIVE TO CIVIL DEFENSE AND CIVIL DEFENSE  
ORGANIZATIONAL PATTERNS ARE ANALYZED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-617 734

STANFORD RESEARCH INST MENLO PARK CALIF

A SYSTEM ANALYSIS OF CIVIL DEFENSE ORGANIZATION AT  
THE REGIONAL, STATE, AND LOCAL LEVELS. INITIAL  
REPORT: SYSTEM DEFINITION AND PROBLEM  
IDENTIFICATION, (U)

MAY 65 95P MCGEE, ARTHUR A. ; KATZ,  
RICHARD C. ;  
PROJ: MU4949 410 ,4536 432  
TASK: 4411B ,4411C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, MANAGEMENT  
PLANNING), UNITED STATES GOVERNMENT, DEPARTMENT  
OF DEFENSE, NATIONAL DEFENSE, MANAGEMENT CONTROL  
SYSTEMS, MANAGEMENT ENGINEERING, WARNING SYSTEMS,  
SURVIVAL, FOOD, WATER SUPPLIES, COMMUNICATION  
SYSTEMS, TRANSPORTATION, MEDICAL PERSONNEL,  
MEDICAL SUPPLIES, CIVIL DEFENSE PERSONNEL,  
EDUCATION, ECONOMICS, BANKING, URBAN AREAS (U)

THE REPORT PRESENTS A BROAD ANALYSIS OF THE CIVIL  
DEFENSE SYSTEM AND ORGANIZATION AT THE REGIONAL,  
STATE AND LOCAL LEVELS OF GOVERNMENT. FROM THIS  
ANALYSIS THE STUDY IDENTIFIES MAJOR SYSTEM PROBLEMS  
WITH ORGANIZATIONAL IMPLICATIONS AND DISCUSSES, BUT  
DOES NOT QUANTITATIVELY EVALUATE, ALTERNATIVE  
SOLUTIONS TO THESE PROBLEMS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-618 414

IIT RESEARCH INST CHICAGO ILL

FIRE BEHAVIOR, IGNITION TO FLASHOVER.

(U)

DESCRIPTIVE NOTE: FINAL SUMMARY REPT.,

JUN 65 48P VODVARKA, F. J. WATERMANT.

E. ;

REPT. NO. N6059

TASK: 2C ,2536C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•NUCLEAR EXPLOSION DAMAGE, FIRES),

(•FIRES, NUCLEAR EXPLOSION DAMAGE), IGNITION,

FIRE EXTINGUISHERS, CIVIL DEFENSE SYSTEMS,

SCIENTIFIC RESEARCH

(U)

IDENTIFIERS: FIRE SPREAD, FIRE STORMS, VELA

UNIFORM PROJECT

(U)

THE PROGRAM STUDIED FIRE BUILDUP RESULTING FROM  
FLAMING IGNITIONS OF MAJOR FURNITURE ITEMS IN  
SIMULATED RESIDENTIAL ROOMS. TIMES WERE DETERMINED  
FOR FIRES TO DEVELOP BEYOND ELEMENTARY EXTINGUISHMENT  
TECHNIQUES AND FOR FLASHOVER TO OCCUR. THE DATA  
PROVIDE INFORMATION FOR DETERMINING PERSONNEL  
REQUIREMENTS FOR CIVIL DEFENSE FIRE FIGHTING TEAMS  
AND BRIGADES. IN ROOMS WITH CONVENTIONAL  
UPHOLSTERY, IN ROOMS WITH FOAM RUBBER UPHOLSTERY, AND  
IN BEDROOMS WITH BOX SPRINGS, 90 PER CENT OF THE FUEL  
DEVELOPED BEYOND SELF-HELP EXTINGUISHMENT  
CAPABILITIES IN 26, 8 AND 12 MINUTES, RESPECTIVELY.  
BEDROOMS WITH OPEN SPRINGS DID NOT FLASH OVER.  
(AUTHOR)

(U)

UNCLASSIFIED

ODC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-619 657

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

MASS TRAINING TECHNIQUES IN CIVIL DEFENSE. II. A  
FURTHER STUDY OF TELEPHONIC ADJUNCT TRAINING.

(U)

DESCRIPTIVE NOTE: TECHNICAL REPT.,  
JUL 65 76P SIEGEL, ARTHUR I. IFISCHL,  
MYRON A. ;

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, TRAINING),  
(•APPLIED PSYCHOLOGY, CIVIL DEFENSE SYSTEMS),  
TRAINING DEVICES, TELEPHONE COMMUNICATION SYSTEMS,  
TEACHING MACHINES, POPULATION, CIVIL DEFENSE  
PERSONNEL, PERFORMANCE (HUMAN); LEARNING,  
MEASUREMENT, STATISTICAL TESTS, STATISTICAL  
ANALYSIS

(U)

IDENTIFIERS: PROGRAMMED INSTRUCTION

(U)

THE GAIN IN KNOWLEDGE ACCRUING THROUGH USE OF  
TELEPHONIC ADJUNCT TRAINING WAS INVESTIGATED AMONG  
INDIVIDUALS OF LIMITED FORMAL EDUCATION. THE  
RESULTS INDICATED THAT BOTH ADJUNCT AUGMENTED  
TELEPHONIC TRAINING AND ADJUNCT AUGMENTED READING  
WERE MORE EFFECTIVE THAN EITHER READING OR  
UNAUGMENTED TELEPHONIC TRAINING FOR PRESENTING ATTACK  
SURVIVAL MATERIAL TO THIS SAMPLE OF SUBJECTS. THE  
TWO PRIOR STUDIES IN THE PROGRAM ARE REVIEWED. AND  
THE IMPLICATIONS OF THE OVERALL PROGRAM'S RESULTS FOR  
PUBLIC EDUCATION IN CIVIL DEFENSE ARE DISCUSSED.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-620 268

PUBLIC HEALTH SERVICE WASHINGTON D C DIV OF HEALTH  
MOBILIZATION

ORIENTATION MANUAL ON DISASTER PREPAREDNESS FOR  
PHARMACISTS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.

AUG 65 33P

CONTRACT: OCU-PS-63-65

PROJ: OCU-2424D

TASK: 2424D

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH THE  
AMERICAN PHARMACEUTICAL ASSOCIATION'S COMMITTEE ON  
DISASTER AND NATIONAL SECURITY, WASHINGTON, D. C.

DESCRIPTORS: (•DISASTERS, MEDICAL PERSONNEL),  
(•MEDICAL PERSONNEL, DISASTERS), (•CIVIL DEFENSE  
PERSONNEL, MEDICAL PERSONNEL), PHARMACOLOGY,  
PROFESSIONAL PERSONNEL, CIVIL DEFENSE SYSTEMS,  
CASUALTIES, SHELTERS, MEDICAL SUPPLIES, DRUGS,  
STORAGE, DISTRIBUTION, COMMUNICABLE DISEASES,  
PUBLIC HEALTH, MEDICAL LABORATORIES, X RAYS,  
NUCLEAR WARFARE CASUALTIES, UNITED STATES  
GOVERNMENT

(U)

THE MANUAL IS BASED ON "THE ROLE OF THE  
PHARMACIST IN NATIONAL DISASTER", PREPARED BY  
THE AMERICAN PHARMACEUTICAL ASSOCIATION'S  
COMMITTEE ON DISASTER AND NATIONAL SECURITY  
IN COOPERATION WITH THE DIVISION OF HEALTH  
MOBILIZATION, PUBLIC HEALTH SERVICE,  
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE.  
IT FURTHER SERVES AS A GUIDE FOR THE PHARMACIST IN  
HIS AREA OF RESPONSIBILITY FOR DISASTER PREPAREDNESS.  
THIS INCLUDES AN EXPLANATION OF EXISTING  
GOVERNMENTAL AND NON-GOVERNMENTAL PROGRAMS CONCERNING  
DISASTER PREPAREDNESS SERVICES AND OFFERS DIRECTION  
FOR MOTIVATING PHARMACISTS TOWARDS COMMUNITY  
PREPAREDNESS. APPROPRIATE REFERENCE SOURCES ARE  
LISTED. (AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-622 096

HUDSON INST INC HARMON-ON-HUDSON N Y

A NEW LOOK AT THE DESIGN OF LOW-BUDGET CIVIL DEFENSE  
SYSTEMS. (U)

DESCRIPTIVE NOTE: RESEARCH REPT.,  
AUG 65 42P BROWN, WILLIAM M. I  
REPT. NO. HI-478-RR  
TASK: 42118

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, URBAN AREAS),  
DESIGN, VULNERABILITY, SHELTERS, NUCLEAR WARFARE,  
NUCLEAR WARFARE CASUALTIES, WARNING SYSTEMS,  
RADIOACTIVE FALLOUT, POPULATION, SURVIVAL,  
DETERRENCE, COUNTERMEASURES, BUDGETS, COSTS,  
EFFECTIVENESS (U)

THE FEASIBILITY OF DESIGNING HIGHLY EFFECTIVE LOW-  
COST CIVIL DEFENSE SYSTEMS IS EXAMINED IN  
RELATIONSHIP TO VARIOUS WAR OUTBREAK SCENARIO AND  
THE UTILITY OF THE ASSOCIATED PREATTACK WARNING  
PERIOD. IT IS ARGUED THAT WITH MODERATE CONFIDENCE  
SUCH HIGHLY EFFECTIVE SYSTEMS CAN BE DESIGNED.  
THEY WOULD DEPEND UPON A GENERAL MOBILIZATION OF  
CIVILIAN RESOURCES DURING AN EMERGENCY TO GREATLY  
EXPAND AND IMPROVE ANY EXISTING C. D. CAPABILITY.  
IDEALLY SUCH DESIGNS CAN VISUALIZE ATTAINING THE  
GOAL OF ZERO CASUALTIES; HOWEVER, A DYNAMIC PLAN  
WOULD CONTAIN SEVERAL OPTIONS TO HANDLE THE MANY  
IMPERFECTIONS WHICH WOULD ALMOST CERTAINLY APPEAR  
DURING IMPLEMENTATION. THE ESSENTIAL ELEMENTS OF  
THE C. D. DESIGNS ARE EXAMINED SEPARATELY FOR  
TECHNICAL, POLITICAL, ADMINISTRATIVE, AND STRATEGIC  
FEASIBILITY. IT IS CONCLUDED THAT THIS APPROACH  
OFFERS SUBSTANTIAL PROMISE FOR FUTURE C. D.  
DEVELOPMENTS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-622 099

PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

THE 1964 CIVIL DEFENSE POSTURES: PUBLIC RESPONSE,

(U)

AUG 65 97P ANDERSON, MARTHA WILLIS I  
CONTRACT: UCU 0563 48

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, PUBLIC  
OPINION); COLD WAR, SHELTERS, BUDGETS, FEDERAL  
BUDGETS, URBAN AREAS, SURVIVAL, ATTITUDES,  
PROBABILITY, CORRELATION TECHNIQUES, TABLES

(U)

THE PAPER PRESENTS AN INVESTIGATION INTO PERCEPTIONS OF DESIRABILITY AND PROBABILITY OF CERTAIN ALTERNATIVE CIVIL DEFENSE PROGRAMS. IT IS ONE OF A SERIES OF PAPERS BASED ON DATA FROM A UNIVERSITY OF PITTSBURGH NATIONAL STUDY ENTITLED CIVIL DEFENSE AND COLD WAR ATTITUDES, CONDUCTED DURING MID-1964 WITH A PROBABILITY SAMPLE OF 1464 AMERICANS. THE FOCUS OF THE PAPER IS THE LIST OF SIX POSSIBLE CIVIL DEFENSE PROGRAMS, CALLED POSTURES, PRESENTED IN THE QUESTIONNAIRE. DESIRABILITY AND PROBABILITY EVALUATIONS WERE RUN AGAINST OTHER RELEVANT CIVIL DEFENSE, COLD WAR AND PERSONAL CHARACTERISTIC VARIABLES IN ORDER TO ATTEMPT TO DETERMINE THE EXTENT AND CHARACTER OF SUPPORT FOR THESE DIFFERING TYPES OF PROGRAMS. THE VAST MAJORITY OF THE RESPONDENTS FOUND ALL SIX POSTURES TO BE DESIRABLE AND PROBABLE. BETWEEN 64.98 AND 74.18 ASSESSED EACH POSTURE AS HIGHLY DESIRABLE AND 42.38 CONSISTENTLY RATED EVERY POSTURE AS HIGHLY DESIRABLE. ALTHOUGH THE POSTURES DIFFERED IN THE TYPE OF PROGRAM SUGGESTED, THE EVALUATIONS GIVEN TO THEM WERE VERY MUCH THE SAME. FURTHER, FEW OF THE VARIABLES AGAINST WHICH THESE EVALUATIONS WERE RUN YIELDED ANY EXPLANATION OF THE CAUSES OF SUPPORT. IT WAS CONCLUDED THAT THESE CONSISTENTLY HIGH EVALUATIONS REFLECTED A FAITH IN THE GOVERNMENT AND IN ANY PROGRAM THAT IT MIGHT ENDORSE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-622 714

APPLIED PSYCHOLOGICAL SERVICES WAYNE PA

MULTIDIMENSIONAL SCALING ANALYSIS AND ITS  
APPLICATIONS FOR THE CIVIL DEFENSE ORGANIZATION, (U)

SEP 65 54P FISCHL, M. A. SIEGEL, ARTHUR I.

:

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE PERSONNEL,  
PSYCHOMETRICS), CIVIL DEFENSE SYSTEMS, JOB  
ANALYSIS, PERFORMANCE (HUMAN), TRAINING,  
SUPERVISORY PERSONNEL, SELECTION, PERSONNEL  
MANAGEMENT, APPLIED PSYCHOLOGY (U)

THE REPORT DESCRIBES THE PRINCIPLES AND PROCEDURES  
ASSOCIATED WITH MULTIDIMENSIONAL SCALING ANALYSIS,  
AND RELATES MULTIDIMENSIONAL SCALING ANALYSIS TO THE  
CONCEPT OF A PERSONNEL SUBSYSTEM WITHIN THE CIVIL  
DEFENSE ORGANIZATION. FOUR AREAS OF APPLICATION  
OF THE TECHNIQUE ARE PRESENTED; THE AUTHORS CONCLUDE  
THAT THE TECHNIQUE IS OF BROAD RELEVANCE TO SYSTEM  
PLANNING AND IS FEASIBLE FOR APPLICATION TO THE  
CIVIL DEFENSE PERSONNEL SYBSYSTEM. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-624 817

SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

DEVELOPMENT OF OVERALL TRAINING PROGRAMS FOR CIVIL  
DEFENSE. (U)

DESCRIPTIVE NOTE: FINAL REPT. FOR 5 NOV 63-30 AUG 65.

AUG 65 250P

REPT. NO. TM(L)-2600/000/01

PROJ: 4431C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE PERSONNEL, TRAINING),  
CIVIL DEFENSE SYSTEMS, PERSONNEL MANAGEMENT,  
SELECTION, JOB ANALYSIS, SUPERVISORY PERSONNEL.  
LEARNING, COSTS (U)

A COMPREHENSIVE EXAMINATION OF CIVIL DEFENSE  
TRAINING IS MADE. AFTER DEFINITION OF CIVIL  
DEFENSE OBJECTIVES, A TRAINING PROGRAM ANALYSIS IS  
MADE WHICH ESTABLISHED SPECIFIC TRAINING REQUIREMENTS  
AND DESCRIBES VARIOUS TRAINING PROGRAM ELEMENTS.  
FROM A PERSPECTIVE INCLUDING THESE INPUTS, THE  
CURRENT CIVIL DEFENSE TRAINING PROGRAM IS ANALYZED.  
THREE ALTERNATIVE TRAINING PROGRAMS GEARED TO  
DIFFERENT FUNDING LEVELS AND A 'PREPARATION FOR  
CRISIS' PROGRAM ARE PROPOSED AND EXAMINED.  
EVALUATION PLANS FOR THESE ALTERNATIVE PROGRAMS ARE  
PRESENTED WITH DISCUSSION OF COST EFFECTIVENESS. A  
THEORY OF INSTRUCTION FOR USE IN CIVIL DEFENSE  
TRAINING IS PRESENTED. FINALLY, SUGGESTIONS FOR  
FURTHER RESEARCH ARE MADE. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-623 918 5/9 15/3  
IOWA AGRICULTURAL AND HOME ECONOMICS EXPERIMENT STATION  
AMES

COMMUNITY POWER ACTORS AND CIVIL DEFENSE. A  
DELINEATION OF COMMUNITY POWER ACTORS AND AN ANALYSIS  
OF THEIR CIVIL DEFENSE ATTITUDES, KNOWLEDGE,  
BEHAVIOR, AND SOURCES OF INFORMATION. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
65 183P BOHLEN, JOE M. ; BEAL, GEORGE  
M. ; KLONGLAN, GERALD E. ; TAIT, JOHN L. ;  
REPT. NO. RURAL SOCIOLOGY-40

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL DEFENSE PERSONNEL, LEADERSHIP),  
(\*SOCIOLOGY, CIVIL DEFENSE SYSTEMS), ATTITUDES,  
BEHAVIOR, DECISION MAKING, POWER, URBAN AREAS,  
RURAL AREAS, POPULATION, PUBLIC OPINION, FALLOUT  
SHELTERS, STATISTICAL ANALYSIS, TABLES, IOWA (U)

A SOCIAL POWER MODEL IS DEFINED WHICH MAY BE USED  
BY THE LOCAL CIVIL DEFENSE DIRECTOR FOR ANALYZING  
SOCIAL POWER IN HIS COMMUNITY. THE COMMUNITY  
MEMBERS WHO HAVE SOCIAL POWER AND AFFECT THE  
COMMUNITY DECISIONMAKING PROCESS ARE DESIGNATED AS  
POWER ACTORS. THE POWER ACTORS IN FIVE IOWA  
COMMUNITIES WERE INTERVIEWED. THEY WERE FOUND TO  
HAVE SIMILAR PERSONAL AND SOCIAL CHARACTERISTICS.  
THE POWER ACTORS WERE PERCEIVED TO HAVE SOCIAL  
POWER IF THE COMMUNITY WAS TO BUILD A COMMUNITY  
FALLOUT SHELTER IN THE NEAR FUTURE. THE POWER  
ACTORS' CIVIL DEFENSE ATTITUDES, KNOWLEDGE, SOURCES  
OF INFORMATION, AND ACTIONS WERE ANALYZED. THE  
POWER ACTORS (1) HAD A LOW PERCEPTION OF THREAT,  
(2) PERCEIVED THAT WE SHOULD HAVE CIVIL DEFENSE  
PROGRAMS WHICH (A) LICENSES, MARKS, AND STOCKS  
EXISTING BUILDINGS, (B) ENCOURAGES THE  
CONSTRUCTION OF INDIVIDUAL FAMILY SHELTERS, (C)  
MAKES AVAILABLE FINANCIAL ASSISTANCE FOR THE  
CONSTRUCTION OF PUBLIC SHELTER SPACES IN NEW PUBLIC  
BUILDINGS, AND (D) ENCOURAGES COMMUNITIES OR  
LOCAL GOVERNMENTAL UNITS TO CONSTRUCT THEIR OWN  
LOCALLY FINANCED COMMUNITY SHELTERS. (AUTHOR) (U)

UNCLASSIFIED

ODC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-623 943 5/9 15/3  
IOWA AGRICULTURAL AND HOME ECONOMICS EXPERIMENT STATION  
AMES

COMMUNITY POWER ACTORS AND CIVIL DEFENSE. A  
DELINEATION OF COMMUNITY POWER ACTORS AND AN ANALYSIS  
OF THEIR CIVIL DEFENSE ATTITUDES, KNOWLEDGE,  
BEHAVIOR, AND SOURCES OF INFORMATION. (U)

DESCRIPTIVE NOTE: FINAL SUMMARY REPT.,  
65 24P BOHLEN, JOE M. BEAL, GEORGE  
M. KLONGLAN, GERALD E. TAIT, JOHN L. I  
REPT. NO. RURAL SOCIOLOGY-405

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-623 918 FOR COMPLETE  
FINAL REPORT.

DESCRIPTORS: (\*CIVIL DEFENSE PERSONNEL, LEADERSHIP),  
(\*SOCIOLOGY, CIVIL DEFENSE SYSTEMS), ATTITUDES,  
BEHAVIOR, DECISION MAKING, POWER, URBAN AREAS,  
RURAL AREAS, POPULATION, PUBLIC OPINION, FALLOUT  
SHELTERS, STATISTICAL ANALYSIS, TABLES: IOWA (U)

COMMUNITY POWER ACTORS AND CIVIL DEFENSE. A  
DELINEATION OF COMMUNITY POWER ACTORS AND AN ANALYSIS OF  
THEIR CIVIL DEFENSE ATTITUDES, KNOWLEDGE, BEHAVIOR, AND  
SOURCES OF INFORMATION.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-624 161 5/11 15/3  
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

ATTITUDES TOWARD CIVIL DEFENSE: AN EXAMINATION OF  
THE ATTRIBUTION OF MAXIMUM APPROVAL, (U)

OCT 65 82P SELDIN, J. ELLIOT I  
CONTRACT: OCD-OS-63-48  
TASK: 4612B

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, PUBLIC  
OPINION), (•PUBLIC OPINION, CIVIL DEFENSE  
SYSTEMS), ATTITUDES, LEADERSHIP, COLD WAR,  
FALLOUT SHELTERS, SOCIOLOGY, UNITED STATES,  
SAMPLING, STATISTICAL DATA, POPULATION,  
TABLES (U)

THE OBJECTIVE OF THE PAPER IS TO EXAMINE THE  
ATTITUDES TOWARD CIVIL DEFENSE THAT THE  
AMERICAN PUBLIC ATTRIBUTES TO VARIOUS GROUPS AND  
INDIVIDUALS. WE FIND THAT A SAMPLE OF THE  
AMERICAN PUBLIC BELIEVES THAT ALL THE GROUPS AND  
INDIVIDUALS WE ASK ABOUT IN OUR STUDY FEEL FAVORABLY  
TOWARD CIVIL DEFENSE. HOWEVER, SOME GROUPS ARE  
MUCH MORE FREQUENTLY CITED AS FAVORING CIVIL  
DEFENSE THAN OTHERS. THE RESPONDENTS' PERSONAL  
FEELINGS TOWARD CIVIL DEFENSE ARE ALSO HIGH  
FAVORABLE. THUS, ALTHOUGH THERE IS VARIATION IN  
ATTRIBUTION PATTERNS DEPENDENT UPON THE GROUP TO  
WHICH THE ATTRIBUTIONS ARE MADE AND THERE EXIST  
DIFFERENCES IN THE PERSONAL FEELINGS OF RESPONDENTS,  
MOST PEOPLE SUPPORT CIVIL DEFENSE AND MOST PEOPLE  
BELIEVE THAT A WIDE RANGE OF GROUPS AND INDIVIDUALS  
SUPPORT CIVIL DEFENSE. GIVEN THESE GENERAL  
RESULTS, WE FIND THAT ATTRIBUTION PATTERNS ALSO VARY  
ACCORDING TO THE POPULATION CHARACTERISTICS OF  
RESPONDENTS (E.G., AGE, SEX, INCOME, ETC.) AND  
THE PERSONAL ATTITUDES OF RESPONDENTS (THE MORE  
FAVORABLE ONE IS TOWARD CIVIL DEFENSE, THE MORE  
LIKELY HE IS TO BELIEVE OTHERS TO BE FAVORABLE).  
FINALLY, THE INFLUENCE OF PERSONAL FAVORABILITY UPON  
ATTRIBUTIONS IS MEDIATED BY POPULATION  
CHARACTERISTICS. HOLDING FAVORABILITY CONSTANT,  
ATTRIBUTION PATTERNS VARY ACCORDING TO THE PARTICULAR  
POPULATION CHARACTERISTICS OF RESPONDENTS.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-624 702 15/3 14/1 12/2 18/3  
RESEARCH TRIANGLE INST DURHAM N C OPERATIONS RESEARCH AND  
ECONOMICS DIV

A SENSITIVITY ANALYSIS OF SELECTED PARAMETERS BASED  
ON 8 SMSA'S. (U)

DESCRIPTIVE NOTE: FINAL REPT., VOL. 2,  
OCT 65 74P SINK, H. RODNEY ;  
REPT. NO. R-GU-157  
PROJ: RTI-OU-157  
TASK: 4113E

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, RADIOACTIVE  
FALLOUT), (•FALLOUT SHELTERS, CIVIL DEFENSE  
SYSTEMS), (•OPERATIONS RESEARCH, CIVIL DEFENSE  
SYSTEMS), MATHEMATICAL MODELS,  
PROGRAMMING (COMPUTERS), FEDERAL BUDGETS,  
RADIOLOGICAL DOSAGE, NUCLEAR WARFARE, COST  
EFFECTIVENESS, STATISTICAL ANALYSIS (U)

IN ORDER TO PERFORM A SENSITIVITY ANALYSIS OF  
SELECTED PARAMETERS OF INTEREST IN CIVIL DEFENSE  
SYSTEMS ANALYSIS, PROBABLE CASUALTIES ARE ESTIMATED  
FOR 8 SMSA'S OVER A RANGE OF FALLOUT ENVIRONMENTS  
AND SHELTER UTILIZATION PATTERNS. THE SELECTED  
PARAMETERS ARE: SMSA POPULATION, POPULATION  
DENSITY, AND RATIO OF SHELTER SPACES TO POPULATION;  
FALLOUT ARRIVAL TIME AND REFERENCE INTENSITY; AND  
RESTRICTIONS ON MOVEMENT OF PEOPLE TO SHELTER,  
LEADING TO VARYING PATTERNS OF SHELTER UTILIZATION.  
THE SMSA'S ARE SELECTED BY JUDGMENT SAMPLING  
AND RANGE IN POPULATION FROM 74,000 TO 408,000.  
THE FALLOUT ENVIRONMENTS USED RANGE FROM A  
REFERENCE INTENSITY OF 600 R/HR AND 7 HOURS TIME OF  
ARRIVAL TO A REFERENCE INTENSITY OF 30,000 R/HR AND 1  
HOUR TIME OF ARRIVAL. THE MOVEMENT-TO-SHELTER  
RESTRICTIONS ARE: (1) MOVEMENT RESTRICTED TO THE  
STANDARD LOCATION (SL) OF RESIDENCE, (2)  
MOVEMENT RESTRICTED TO WITHIN TWO MILES OF THE SL  
OF RESIDENCE, AND (3) UNRESTRICTED MOVEMENT TO  
SHELTER ANYWHERE WITHIN THE SMSA. ALSO, (4)  
THE TRANSPORTATION ALGORITHM IS USED TO DETERMINE THE  
OPTIMAL (MINIMUM CASUALTY) ALLOCATION OF PEOPLE  
TO SHELTER FOR EACH TIME OF ARRIVAL AND REFERENCE  
INTENSITY COMBINATION. THIS ALLOCATION SERVES AS A  
BENCHMARK OF IDEALITY AGAINST WHICH TO MEASURE OTHER  
PATTERNS OF SHELTER UTILIZATION. (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-624 706 15/3  
STANFORD RESEARCH INST MENLO PARK CALIF

CIVIL DEFENSE IN GERMANY,

(U)

OCT 65 54P MCGEE, ARTHUR A. I  
CONTRACT: OCD-OS-63-184  
PROJ: SR1-MU-4559  
TASK: 2621A

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•WEST GERMANY, CIVIL DEFENSE  
SYSTEMS), (•CIVIL DEFENSE SYSTEMS, WEST  
GERMANY), LAW, GOVERNMENT(FOREIGN), WARNING  
SYSTEMS, MONITORS, FALLOUT SHELTERS, CIVIL  
DEFENSE PERSONNEL, EVACUATION, POPULATION,  
POLICE, HOSPITALS, INDUSTRIAL PRODUCTION, FOOD,  
TRANSPORTATION, WATER SUPPLIES

(U)

THE REPORT CONTAINS THE RESULTS OF THE STUDY OF  
CIVIL DEFENSE PLANNING AND PREPARATION IN THE  
FEDERAL REPUBLIC OF GERMANY. THE STUDIES ARE  
PRIMARILY ORIENTED TOWARD DEFINING OPERATIONAL  
ORGANIZATION, ALTHOUGH POLICY, PLANNING, AND TRAINING  
ORGANIZATIONS THAT HAVE HAD A STRONG IMPACT IN  
PROMOTING THE GROWTH OF CIVIL DEFENSE PREPAREDNESS  
WERE ALSO INVESTIGATED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-624 870 15/3  
DUNLAP AND ASSOCIATES INC DARIEN CONN

TRAINING REQUIREMENTS FOR POSTATTACK ADAPTIVE  
BEHAVIOR. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
DEC 65 114P TEAL, GILBERT E. ; FABRIZIO,  
RALPH A. ; BARNES, STANLEY M. ; MOELLER, WILLIAM  
A. ;  
REPT. NO. SSD-65-245 (546)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, TRAINING),  
NUCLEAR WARFARE, SURVIVAL, FALLOUT SHELTERS,  
BEHAVIOR, POPULATION, EDUCATION, COMMUNICATION  
SYSTEMS, DISASTERS, MOTIVATION, LEARNING,  
LEADERSHIP, MANAGEMENT PLANNING (U)

THE STUDY IS AIMED AT (1) IDENTIFYING ACTIONS  
REQUIRED OF AND BENEFICIAL TO INDIVIDUALS IN A POST-  
ATTACK ENVIRONMENT AND (2) DEVELOPING GUIDELINES  
CONCERNING CONTENT AND METHODS OF TRAINING WHICH  
WOULD GENERATE ADAPTIVE BEHAVIOR. METHODS OF STUDY  
WERE LIMITED TO LITERATURE REVIEW AND SCIENTIFIC  
ARGUMENT. TWO MAJOR TRAINING OBJECTIVES ARE  
SPECIFIED: TRAINING TO MEET THE REQUIREMENTS OF  
INDIVIDUAL SURVIVAL; AND OF SOCIETAL RECOVERY. IT  
IS RECOMMENDED THAT TRAINING MATERIALS BE STOCKED IN  
PUBLIC SHELTERS TO SUPPORT THESE OBJECTIVES. POST-  
ATTACK SITUATIONS WILL REQUIRE THAT SUCH MATERIALS BE  
READILY AVAILABLE AND USED IN CONJUNCTION WITH ON-  
THE-SPOT TRAINING, AND THE CREATION AND COMMUNICATION  
OF SPECIFIC RECOVERY PLANS FOR LOCAL COMMUNITIES.  
IT IS ALSO RECOMMENDED THAT CERTAIN INFORMATION  
BASIC TO EDUCATION OF THE PUBLIC IN EMERGENCY  
MEASURES BE PREPARED FOR TIMELY USE IN MASS  
COMMUNICATION MEDIA AT SUCH TIMES AS CRISES OR  
DISASTERS PROVIDE THE ESSENTIAL MOTIVATION TO LEARN.  
IT IS SUGGESTED THAT TRAINING IS THE RESPONSIBILITY  
MAINLY OF LOCAL COMMUNITY POLITICAL AUTHORITY; THE  
EFFECTIVENESS OF TRAINING WILL DEPEND HEAVILY UPON  
THE DEGREE TO WHICH SUCH LEADERSHIP HAS THE KNOWLEDGE  
AND RESOURCES NECESSARY TO CONDUCT THIS FUNCTION.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-624 929 15/3  
STANFORD RESEARCH INST MENLO PARK CALIF

SWISS CIVIL DEFENSE.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
NOV 65 SOP MCGEE, ARTHUR A. ;  
CONTRACT: OCU-OS-63-184  
PROJ: SRI-4559

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, SWITZERLAND),  
COMMAND + CONTROL SYSTEMS, LAW, MANAGEMENT  
PLANNING, GOVERNMENT(FOREIGN), CIVIL DEFENSE  
PERSONNEL, TRAINING, MANPOWER STUDIES, ARMED  
FORCES(FOREIGN), SHELTERS

(U)

THE REPORT CONTAINS THE RESULTS OF THE STUDY OF  
CIVIL DEFENSE PLANNING AND PREPARATION IN THE SWISS  
FEDERATION. THE STUDY IS PRIMARILY ORIENTED  
TOWARD DEFINING OPERATIONAL ORGANIZATION, ALTHOUGH  
POLICY, PLANNING, AND TRAINING ORGANIZATIONS THAT  
HAVE HAD A STRONG IMPACT IN PROMOTING THE GROWTH OF  
CIVIL DEFENSE PREPAREDNESS WERE ALSO INVESTIGATED.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-625 172 15/3 13/2  
PLANNING RESEARCH CORP LOS ANGELES CALIF

THE ECONOMIC FEASIBILITY OF DECENTRALIZED  
METROPOLITAN REGIONS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
OCT 65 296P WOLTMAN, R. R. ; WOODFILL,  
BARBARA ; BLUNT, KEITH ; DEIROSSI, JAMES ;  
REPT. NO. PRC-D-796  
CONTRACT: OCD-OS-62-278

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-426 925.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, URBAN AREAS),  
(\*URBAN PLANNING, ECONOMICS), FEASIBILITY STUDIES,  
COSTS, POPULATION, DISTRIBUTION, DENSITY,  
HOUSING PROJECTS, TRANSPORTATION, PASSIVE  
DEFENSE

(U)

THE PRECEDING PHASE OF THIS STUDY EXAMINED THE ROLE  
OF URBAN FORM AS A PASSIVE DEFENSE VARIABLE AND  
ESTABLISHED CRITERIA OF SPATIAL ARRANGEMENT AND  
DENSITY, WHICH WERE DESIGNED TO REDUCE METROPOLITAN  
VULNERABILITY TO NUCLEAR WEAPONS. THE RESULTING  
CONFIGURATION CONSISTS OF COMPACT, DISCRETE COMMUNITY  
UNITS HAVING POPULATIONS OF 100,000, SEPARATED FROM  
ONE ANOTHER BY 4 TO 7 MILES OF OPEN SPACE, AND  
GROUPED AROUND A CENTRAL OR CORE UNIT. SERVICES  
AND FACILITIES THAT ARE OBTAINABLE IN A METROPOLITAN  
AREA OF SEVERAL MILLION ARE MADE AVAILABLE IN THIS  
CONFIGURATION BY HIGH INTRACOMMUNITY MOBILITY. THE  
STUDY CONFIGURATION IS TAKEN TO BE THIS 'ORDERED  
SPRAWL' URBAN PATTERN. THE ECONOMIC FEASIBILITY OF  
THIS FORM OF REGIONAL CITY IS ASSESSED. THE FOCUS  
IS NECESSARILY ON COSTS, WHICH ARE TO SOME DEGREE  
MEASURABLE, AND ALTHOUGH COST DATA DIRECTLY PERTINENT  
TO THE IDEALIZATION DO NOT EXIST, IT IS POSSIBLE TO  
PROCEED INFERENTIALLY BY ANALYZING INFORMATION  
DERIVED FROM EXISTANT METROPOLITAN AREAS. THE  
PRIMARY APPROACH IS THE SPECIFICATION OF A 'REFERENCE  
REGION' THAT INCORPORATES STRUCTURAL AND LINKAGE  
CHARACTERISTICS REPRESENTATIVE OF EXISTING URBAN  
AREAS, AND THE DIVISION OF THIS REGION INTO  
COMPONENTS THAT APPROXIMATE COMMUNITY UNITS OF THE  
STUDY CONFIGURATION.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZHML7

AD-631 613 5/10 15/3  
MICHIGAN STATE UNIV EAST LANSING COLL OF COMMUNICATION  
ARTS

THE EFFECTS OF LOW CREDIBLE SOURCES ON MESSAGE  
ACCEPTANCE: FOUR EXPERIMENTAL STUDIES IN  
PERSUASION.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
MAR 66 37P GREENBERG, BRADLEY S. ;  
MILLER, GERALD R. ;  
REPT. NO. BG-1,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*SOCIAL PSYCHOLOGY, \*CIVIL DEFENSE  
SYSTEMS), INFORMATION THEORY, SOURCES, ATTITUDES,  
PUBLIC OPINION, REACTION(PSYCHOLOGY), FALLOUT  
SHELTERS

(U)

THIS SERIES OF STUDIES PROVIDES EVIDENCE IN SUPPORT  
OF THE FOLLOWING PROPOSITIONS: (1) IF A MESSAGE  
IS TO BE TRANSMITTED TO AN AUDIENCE WHICH PERCEIVES  
THE MESSAGE SOURCE AS RELATIVELY LOW IN CREDIBILITY,  
THE MESSAGE WILL BE MORE EFFECTIVE IF THE  
IDENTIFICATION OF THE SOURCE IS DELAYED UNTIL AFTER  
EXPOSURE TO THE MESSAGE; (2) WHERE THE SOURCE OF  
A MESSAGE IS LIKELY TO BE PERCEIVED AS RELATIVELY LOW  
IN CREDIBILITY, THE MESSAGE WILL BE MORE EFFECTIVE  
WITHOUT ANY IDENTIFIED SOURCE THAN WITH THE LOW  
CREDIBLE SOURCE; (3) A MESSAGE WILL GENERALLY BE  
EFFECTIVE IN THE INTENDED MANNER, EVEN WITH A SOURCE  
PERCEIVED AS LOW CREDIBLE, IN COMPARISON WITH NO  
MESSAGE AT ALL; (4) WHEN THE SOURCE OF THE  
MESSAGE IS PERCEIVED BY SOME AUDIENCE AS HIGH IN  
CREDIBILITY, THE MESSAGE WILL BE MORE EFFECTIVE IF  
THE SOURCE IS IDENTIFIED BEFORE INDIVIDUALS ARE  
EXPOSED TO THE MESSAGE. THESE FINDINGS ARE  
CONFIRMED IN STUDIES DEALING WITH BOTH CIVIL DEFENSE  
TOPICS UNRELATED TO CIVIL DEFENSE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 756 15/3 8/6  
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE. OCD-DEF REGION 1.

(U)

62 454P  
REPT. NO. FG-D-3.1/1.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY REPT. NO. FG-IV-3.1/1.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GEOGRAPHY),  
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,  
CONNECTICUT, MAINE, MASSACHUSETTS, NEW  
HAMPSHIRE, NEW JERSEY, NEW YORK, PUERTO  
RICO, RHODE ISLAND, VERMONT, VIRGIN  
ISLANDS

(U)

THE MANUAL ON THE NEW NATIONAL LOCATION CODE  
IS PUBLISHED FOR THE USE OF FEDERAL, STATE AND  
LOCAL CIVIL DEFENSE AND EMERGENCY PLANNING OFFICIALS  
WITH DAMAGE ASSESSMENT, RESOURCE EVALUATION OR  
SHELTER PLANNING RESPONSIBILITIES. THE MANUAL IS  
DESIGNED TO SERVE USERS IN TWO WAYS. FIRST, IT CAN  
BE USED AS A CONVENIENT SOURCE FOR THE GEOGRAPHIC  
COORDINATES OF NEW RESOURCES TO BE INCLUDED IN HAND  
OR COMPUTER DAMAGE ASSESSMENT SYSTEMS. SECOND, IT  
PROVIDES, IN A CONVENIENT FORM, THE INFORMATION ON  
DISTRIBUTION OF POPULATION THAT IS REQUIRED TO  
PREPARE REGION, STATE AND LOCAL ESTIMATES OF  
CASUALTIES RESULTING FROM ACTUAL OR ASSUMED ENEMY  
ATTACK.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-631 757 15/3 8/6  
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE. OCD-OEP REGION 2. (U)

62 462P  
REPT. NO. FG-D-3.1/2,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY REPT. NO. FG-IV-3.1/2.  
SEE ALSO AD-631 756.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GEOGRAPHY),  
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,  
DELAWARE, DISTRICT OF COLUMBIA, KENTUCKY,  
MARYLAND, OHIO, PENNSYLVANIA, VIRGINIA, WEST  
VIRGINIA (U)

NATIONAL LOCATION CODE, OCD-OEP REGION 2:  
DELAWARE, DISTRICT OF COLUMBIA, KENTUCKY, MARYLAND,  
OHIO, PENNSYLVANIA, VIRGINIA, WEST VIRGINIA.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 758 15/3 8/6  
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE. OCD-OEP REGION 3. (U)

62 411P  
REPT. NO. FG-D-3.1/3.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-631 756.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GEOGRAPHY),  
DAMAGE ASSESSMENT, POPULATION, URBAN STUDIES,  
ALABAMA, FLORIDA, GEORGIA, MISSISSIPPI, NORTH  
CAROLINA, PANAMA, SOUTH CAROLINA, TENNESSEE (U)

NATIONAL LOCATION CODE, OCD-OEP REGION 2:  
ALABAMA, CANAL ZONE, FLORIDA, GEORGIA,  
MISSISSIPPI, NORTH CAROLINA, SOUTH CAROLINA,  
TENNESSEE.



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 759 15/3 8/6  
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE, OCD-OEP REGION 4. (U)

62 442P  
REPT. NO. FG-D-3.1/4,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY REPT. NO. FG-1V-3.1/4.  
SEE ALSO AD-631 756.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, GEOGRAPHY),  
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,  
ILLINOIS, INDIANA, MICHIGAN, MINNESOTA,  
WISCONSIN (U)

NATIONAL LOCATION CODE, OCD-OEP REGION 4:  
ILLINOIS, INDIANA, MICHIGAN, MINNESOTA, WISCONSIN.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 76U 15/3 8/6  
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE, OCD-OEP REGION 5. (U)

62 376P  
REPT. NO. FG-D-3.1/5,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY FG-IV-3.1/5. SEE ALSO  
AD-631 756.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GEOGRAPHY),  
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,  
ARKANSAS, LOUISIANA, NEW MEXICO, OKLAHOMA,  
TEXAS (U)

THIS MANUAL ON THE NEW NATIONAL LOCATION CODE  
IS PUBLISHED FOR THE USE OF FEDERAL, STATE AND  
LOCAL CIVIL DEFENSE AND EMERGENCY PLANNING OFFICIALS  
WITH DAMAGE ASSESSMENT, RESOURCE EVALUATION OR  
SHELTER PLANNING RESPONSIBILITIES. THE MANUAL IS  
DESIGNED TO SERVE USERS IN TWO WAYS. FIRST, IT CAN  
BE USED AS A CONVENIENT SOURCE FOR THE GEOGRAPHIC  
COORDINATES OF NEW RESOURCES TO BE INCLUDED IN HAND  
OR COMPUTER DAMAGE ASSESSMENT SYSTEMS. SECOND, IT  
PROVIDES, IN A CONVENIENT FORM, THE INFORMATION ON  
DISTRIBUTION OF POPULATION THAT IS REQUIRED TO  
PREPARE REGION, STATE AND LOCAL ESTIMATES OF  
CASUALTIES RESULTING FROM ACTUAL OR ASSUMED ENEMY  
ATTACK. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 761 15/3 8/6  
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE, OCD-OEP REGION 6. (U)

62 414P  
REPT. NO. FG-D-3.1/6,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY FG-IV-3.1/6. SEE ALSO  
AD-631 756.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GEOGRAPHY),  
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,  
COLORADO, IOWA, KANSAS, MISSOURI, NEBRASKA,  
NORTH DAKOTA, SOUTH DAKOTA, WYOMING (U)

NATIONAL LOCATION CODE, OCD-OEP REGION 6:  
COLORADO, IOWA, KANSAS, MISSOURI, NEBRASKA, NORTH  
DAKOTA, SOUTH DAKOTA, WYOMING.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 762 15/3 8/6  
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE, OCD-OEP REGION 7.

(U)

62 233P  
REPT. NO. FG-D-3.1/7.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY FG-IV-3.1/7. SEE ALSO  
AD-631 756.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, GEOGRAPHY),  
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,  
ARIZONA, CALIFORNIA, HAWAII, NEVADA, UTAH,  
PACIFIC OCEAN ISLANDS

(U)

NATIONAL LOCATION CODE, OCD-OEP REGION 7: ARIZONA,  
AMERICAN SAMOA, CALIFORNIA, GUAM, HAWAII,  
NEVADA, UTAH.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-631 763 15/3 8/6  
BUREAU OF THE CENSUS WASHINGTON D C

NATIONAL LOCATION CODE, OCD-OEP REGION 8. (U)

62 188P  
REPT. NO. FG-D-3.1/8,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: FORMERLY FG-IV-3.1/8. SEE ALSO  
AD-631 756.

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, GEOGRAPHY),  
DAMAGE ASSESSMENT, POPULATION, URBAN AREAS,  
ALASKA, IDAHO, MONTANA, OREGON,  
WASHINGTON(STATE: (U)

NATIONAL LOCATION CODE, OCD-OEP REGION 8; ALASKA,  
IDAHO, MONTANA, OREGON, WASHINGTON.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-632 595 6/21 15/4 15/6  
DEPARTMENT OF HEALTH EDUCATION AND WELFARE WASHINGTON D  
C

REVIEW OF COMBINED TRAUMA: RESEARCH, CLINICAL  
MANAGEMENT AND PLANNING, (U)

JAN 66 174P WILLIAMS, DEAN W. ; DUGGAR,  
BENJAMIN C. ; BURGER, EDWARD J. ; CHAMBERLIN,  
HARRY S. ;  
CONTRACT: OGD-OS-63-141, PH-86-64-134

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•NUCLEAR WARFARE CASUALTIES, •RADIATION  
INJURIES), CIVIL DEFENSE SYSTEMS, NUCLEAR WEAPONS,  
BURNS, RADIATION SICKNESS, RADIOACTIVE FALLOUT,  
BLAST, WOUNDS + INJURIES, INFECTIONS,  
ANTIBIOTICS, IMMUNITY, MEDICINE, THERAPY,  
SHOCK (PATHOLOGY), ARTIFICIAL RESPIRATION,  
ELECTROLYTES (PHYSIOLOGY), RADIOLOGICAL DOSAGE,  
DISASTERS, SURVIVAL, MEDICAL PERSONNEL,  
MANAGEMENT PLANNING, BIBLIOGRAPHIES (U)

THE REVIEW COVERS THE TOPIC OF COMBINED TRAUMA--  
RADIATION INJURY PLUS BURNS, PHYSICAL INJURY, AND/OR  
INFECTION. SINCE THIS CLASS OF CASUALTY IS ALMOST  
EXCLUSIVELY THE PRODUCT OF NUCLEAR WEAPONS EFFECTS,  
THE EMPHASIS OF THE REVIEW IS ON PRINCIPLES OF  
CLINICAL MANAGEMENT. MAJOR SECTIONS OF THE REVIEW  
ARE: (1) A CASUALTY MODEL, GENERATED TO ASSESS  
THE SIGNIFICANCE OF COMBINED TRAUMA RELATIVE TO OTHER  
FORMS OF INJURY. (2) A REVIEW OF CLINICAL  
MANAGEMENT PRINCIPLES FOR CARE OF COMBINED TRAUMA  
PATIENTS. (3) CLINICAL GUIDES TO THE CARE OF  
RADIATION, BURN, AND INFECTION CASUALTIES. (4) A  
REVIEW OF THE RECENT COMBINED TRAUMA RESEARCH, AND  
(5) A SUMMARY OF PLANNING MEASURES DESIGNED TO  
ASSIST IN PREPAREDNESS FOR DISASTER MEDICAL CARE.  
AN EXTENSIVE BIBLIOGRAPHY IS ALSO INCLUDED.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-632 865 6/5 15/3 13/2 15/1  
RESEARCH TRIANGLE INST DURHAM N C OPERATIONS RESEARCH AND  
ECONOMICS DIV

ENVIRONMENTAL HEALTH PLANNING FOR POSTATTACK  
CONDITIONS: SOME PROBLEMS, PROGRAMS, AND  
PRIORITIES.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
APR 66 BOP SALMON, RAPHAEL J. ;  
REPT. NO. R-OU-197,  
CONTRACT: PH-86-65-16

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•MANAGEMENT PLANNING, •PUBLIC HEALTH),  
(•PUBLIC HEALTH, NUCLEAR WARFARE), CIVIL DEFENSE  
SYSTEMS, OPERATIONS RESEARCH, DISEASES, DISEASE  
VECTORS, SURVIVAL, FOOD, HOUSING, WATER  
SUPPLIES, WASTES(SANITARY ENGINEERING), NUCLEAR  
WARFARE CASUALTIES  
IDENTIFIERS: POSTATTACK OPERATIONS

(U)

(U)

CONDITIONS IMPOSED BY MASSIVE NUCLEAR ATTACK CAN BE  
EXPECTED TO DISRUPT NORMAL ENVIRONMENTAL HEALTH  
SERVICES OF COMMUNITIES THROUGHOUT THE UNITED  
STATES, AND TO THREATEN THE HEALTH OF SURVIVING  
POPULATION. THIS STUDY DEVELOPS A FRAMEWORK TO  
HELP DECISION-MAKERS EVALUATE POSTATTACK CONDITIONS  
RELATIVE TO ENVIRONMENTAL HEALTH. REVIEW AND  
ANALYSIS OF EXISTING INFORMATION ON PROBABLE  
POSTATTACK CONDITIONS AS THEY MIGHT AFFECT, AND BE  
AFFECTED BY, PERSONNEL OF LOCAL HEALTH DEPARTMENTS,  
PUBLIC HEALTH ORGANIZATION, AND RESOURCE MANAGEMENT  
PRACTICES IS PRESENTED. ANTICIPATED POSTATTACK  
ENVIRONMENTAL HEALTH PROBLEMS ARE IDENTIFIED, AND  
PRIORITY JUDGMENTS ARE MADE ON A COMPARATIVE BASIS IN  
TERMS OF LEVEL OF GRAVITY. RATIONALE SUPPORTING  
THE JUDGMENTS IS INCLUDED, AND BOTH ACTION AND  
RESEARCH PROGRAMS TO IMPROVE PREPAREDNESS ARE  
RECOMMENDED. IMPORTANT SOURCES OF DATA PRESCRIBED  
FOR THIS STUDY WERE THE REPORTS AND WORKING PAPERS OF  
AN EARLIER U. S. PUBLIC HEALTH SERVICE  
PROJECT. 'ENVIRONMENTAL HEALTH PROBLEMS IN  
THE POST SHELTER PERIOD'. IN ADDITION, FOUR  
CITY HEALTH DEPARTMENTS WERE VISITED TO ASSIST IN  
ANALYSIS OF NORMAL ENVIRONMENTAL HEALTH CONDITIONS  
RELATIVE TO THOSE EXPECTED IN A POSTATTACK RECOVERY  
PERIOD AND OF THE ABILITY OF A LOCAL HEALTH AGENCY TO  
COPE WITH PROJECTED CONDITIONS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-635 150 5/11 15/3  
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

IMPACT OF THE CUBAN MISSILE CRISIS. PATTERNS OF  
PUBLIC RESPONSE.

(U)

FEB 66 85P MAST, ROBERT H. ;  
CONTRACT: OCD-PS-64-61,  
TASK: 48-21-C,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*COLD WAR, PUBLIC OPINION), (\*CIVIL  
DEFENSE SYSTEMS, PUBLIC OPINION), ATTITUDES,  
POPULATION, UNITED STATES, CUBA, RESPONSE,  
REACTION(PSYCHOLOGY), PERCEPTION(PSYCHOLOGY),  
NUCLEAR WARFARE, DECISION MAKING, FALLOUT SHELTERS,  
DISARMAMENT ANXIETY, BEHAVIOR, SOCIOLOGY,  
STATISTICAL DATA

(U)

THE REPORT EXAMINES THE IMPACT OF A CRITICAL EVENT  
ON THE AMERICAN PUBLIC AND ATTEMPTS TO ASSESS THE  
SUBSTANCE AND DYNAMIC OF THE PUBLIC'S RESPONSE TO THE  
RESULTING CRISIS SITUATION WITH SPECIAL EMPHASIS ON  
RESPONSES ASSOCIATED WITH CIVIL DEFENSE MEASURES.  
THE EVENT INVOLVED WAS THE CUBAN MISSILE CRISIS OF  
1962 WHICH PRODUCED A PERIOD OF SEVERE INTERNATIONAL  
TENSION. IN A 1963 SAMPLE, AMERICANS WERE ASKED  
IF THEY HAD ENGAGED IN ANY OF SIX CRISIS RELATED  
ACTIVITIES DURING THE CUBAN CRISIS. THESE  
ACTIVITIES COMPRISED EFFORTS TO RESPOND IN SOME  
MEANINGFUL FASHION TO THE THREAT POSED BY THE CRISIS.  
PATTERNS OF RESPONSE WERE EXAMINED, BOTH FOR  
OVERALL DISTRIBUTIONS AMONG THE SIX ACTIVITIES AND FOR  
PAIRED SETS OF ACTIVITIES. INDIVIDUALS IN THE  
SAMPLE WERE CLASSIFIED BY THEIR DEGREE OF  
PARTICIPATION IN THE VARIOUS ACTIVITIES. THOSE WHO  
HAD ENGAGED IN ANY ACTIVITY WERE COMPARED WITH  
THOSE WHO HAD NOT, AND THOSE WHO HAD ENGAGED IN EACH  
OF THE SIX SEPARATE ACTIVITIES WERE COMPARED WITH EACH  
OTHER, THE SUB-TOTALS AND THE FIFTEEN SETS OF PAIRED  
ACTIVITIES AS WELL. THESE COMPARISONS WERE MADE  
WITH REGARD TO PERSONAL CHARACTERISTICS THAT SERVED  
TO LOCATE INDIVIDUALS IN THE OVERALL SOCIAL STRUCTURE  
AND ALSO WITH REGARD TO PERSONAL ATTITUDES DEEMED TO  
BE OF RELEVANCE FOR CRISIS RESPONSE. DIFFERENCES  
IN CRISIS RESPONSE WERE FOUND AND THEY ESTABLISHED  
SUMMARY PATTERNS THAT ARE OF THEORETICAL INTEREST.  
(AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-637 167 15/3 5/11  
MICHIGAN STATE UNIV EAST LANSING DEPT OF  
COMMUNICATION

THE DEVELOPMENT OF VALUES AND BELIEFS IN YOUNG  
AMERICANS TOWARD FALLOUT SHELTERS AND CIVIL  
DEFENSE.

(U)

DESCRIPTIVE NOTE; PILOT STUDY REPT. NO. 1.  
JAN 66 90P GREENBERG, BRADLEY S. ;  
PETTERSEN, DUANE ; KOCHVAR, JOHN ;

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON COMMUNICATION RESEARCH.

DESCRIPTORS: (\*FALLOUT SHELTERS, \*PUBLIC OPINION),  
CHILDREN, ADOLESCENTS, ATTITUDES, CIVIL DEFENSE  
SYSTEMS, SOCIAL SCIENCES, CULTURE, STATISTICAL  
ANALYSIS

(U)

WHAT KINDS OF BELIEFS AND OPINIONS DO YOUNGSTERS IN  
THEIR PRE-TEEN AND TEENAGE YEARS HAVE TOWARD FALLOUT  
SHELTERS AND CIVIL DEFENSE. 327 EIGHTH AND TWELFTH  
GRADERS WROTE EXTEMPORANEOUS ESSAYS ON 'WHAT I  
KNOW ABOUT FALLOUT SHELTERS', ATTITUDES  
TOWARD THIS TOPIC WERE ASSESSED BY TRAINED CODERS ON  
THE BASIS OF THEIR DEGREE OF FAVORABILITY TOWARDS  
FALLOUT SHELTERS IN GENERAL, PRIVATE SHELTERS, PUBLIC  
SHELTERS AND CIVIL DEFENSE. EACH OF THE ATTITUDES  
WAS RELATED TO AGE, SEX, RACE, SOCIAL CLASS AND  
PERSONAL ABILITY OF THE YOUNGSTERS. GENERALLY,  
YOUNGSTERS HOLD FAVORABLE ATTITUDES TOWARD BOTH  
FALLOUT SHELTERS AND CIVIL DEFENSE, AND THESE  
EXPRESSED ATTITUDES ARE STRONGLY HELD. IN TERMS OF  
AGE, THE YOUNGER STUDENTS ARE MORE FAVORABLE TOWARD  
BOTH TYPES OF SHELTERS AND CIVIL DEFENSE IN GENERAL.  
SEX DIFFERENCES WERE INSIGNIFICANT; HOWEVER, BOYS  
TENDED TO BE SOMEWHAT LESS FAVORABLE. ATTITUDES OF  
WHITE AND NON-WHITE YOUNGSTERS WERE STRIKINGLY  
DIFFERENT WITH NON-WHITE STUDENTS CONSISTENTLY  
EXPRESSING MORE FAVORABLE ATTITUDES TOWARD BOTH  
SHELTERS AND CIVIL DEFENSE. SOCIAL CLASS APPEARED  
TO BE UNRELATED TO ATTITUDES EXPRESSED ON THIS TOPIC.  
A THIRD SIGNIFICANT CORRELATE OF ATTITUDES WAS  
PERSONAL ABILITY. THE MORE ABLE STUDENTS WITHHOLD  
SUPPORT FROM BOTH SHELTERS AND CIVIL DEFENSE, WHILE  
THE LESS ABLE ON HIGHLY FAVORABLE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-637 168 15/3 5/11  
MICHIGAN STATE UNIV EAST LANSING DEPT OF  
COMMUNICATION

THE DEVELOPMENT OF VALUES AND BELIEFS IN YOUNG  
AMERICANS TOWARD FALLOUT SHELTERS AND CIVIL  
DEFENSE, (U)

DESCRIPTIVE NOTE: PILOT STUDY REPT. NO. 2.  
MAY 66 73P GREENBERG, BRADLEY S. I  
PETTERSEN, DUANE ; KOCHEVAR, JOHN ;

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON COMMUNICATION RESEARCH.  
SEE ALSO AD-637 167.

DESCRIPTORS: (•FALLOUT SHELTERS, •PUBLIC OPINION),  
CHILDREN, ADOLESCENTS, ATTITUDES, CIVIL DEFENSE  
SYSTEMS, SOCIAL SCIENCES, CULTURE, STATISTICAL  
ANALYSIS (U)

THIS IS THE SECOND OF THREE REPORTS CONCERNING THE  
ATTITUDES EXPRESSED BY AMERICAN YOUNGSTERS TOWARD  
FALLOUT SHELTERS AND CIVIL DEFENSE. THE PRESENT  
STUDY FOCUSED ON THE COMBINED EFFECTS OF AGE, SEX,  
RACE AND PERSONAL ABILITY ON THEIR OPINIONS. WHEN  
THESE VARIABLES ARE CONTROLLED SINGLY AND TOGETHER IN  
ANALYZING OPINIONS, WE FIND THE FOLLOWING: IN  
TERMS OF AGE, YOUNGER STUDENTS WERE MORE FAVORABLE TO  
FALLOUT SHELTERS AND CIVIL DEFENSE WITH NO CHANGES  
INTRODUCED BY CONTROLLING FOR OTHER VARIABLES.  
RACE ALSO REMAINED HIGHLY CORRELATED WITH  
ATTITUDES, AFTER CONTROLLING OTHER FACTORS. NON-  
WHITE YOUNGSTERS WERE GENERALLY FAVORABLE THAN WHITE  
YOUNGSTERS, BUT THE DIFFERENCE WAS MOST PRONOUNCED  
AMONG THE OLDER NON-WHITES. PERSONAL ABILITY  
ACCOUNTED FOR DIFFERENCES IN ATTITUDE TOWARD FALLOUT  
SHELTERS AND CIVIL DEFENSE. THE HIGHER ABILITY  
STUDENTS, ESPECIALLY THE OLDER ONES, WERE LESS  
FAVORABLE TOWARD THE TWO OPINION AREAS. SEX WAS A  
WEAK, NEGLIGIBLE CORRELATE OF THESE ATTITUDES, AND  
SEX DID NOT INTERACT WITH THE OTHER VARIABLES.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-637 766 15/3 5/1  
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

EMERGENCY OPERATIONS SIMULATION RESEARCH. (U)

DESCRIPTIVE NOTE: FINAL REPT.  
MAY 66 120P CUSACK, B. L. IFLINT, RHEA ;  
GIBBONS, R. D. ; HANEY, T. P. ; SWAVELY, D. C. ;  
REPT. NO. TM(L)-2938/001/00,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, MANAGEMENT  
PLANNING), SIMULATION, DECISION MAKING, DISASTERS,  
FALLOUT SHELTERS, TRAINING, DISPLAY SYSTEMS (U)

CONTENTS: A DISCUSSION OF OPERATIONS SIMULATION  
AND ITS ROLE AS AN APPLIED RESEARCH TOOL; THE  
ESTABLISHMENT OF THE RESEARCH FACILITY AND MODEL  
ENVIRONMENT; EMERGENCY ACTION DECISION EXPERIMENTS;  
THE STUDY OF VARIOUS DISPLAY AND SPECIAL SIMULATION  
EQUIPMENTS. (U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-637 767 15/3 9/2 5/1  
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

DATA PROCESSING FOR LOCAL CIVIL DEFENSE: AN  
INVESTIGATION OF THE POTENTIALS.

(U)

DESCRIPTIVE NOTE: TECHNICAL MEMO.  
MAY 66 61P CUSACK, B. L. ;  
REPT. NO. TM(L)-2938/002/00.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, MANAGEMENT  
PLANNING), (\*DATA PROCESSING SYSTEMS, CIVIL DEFENSE  
SYSTEMS), CIVIL DEFENSE PERSONNEL, DECISION MAKING,  
COMPUTERS, SURVIVAL

(U)

AN INVESTIGATION OF THE POTENTIAL APPLICATIONS OF  
ELECTRONIC DATA-PROCESSING EQUIPMENT FOR LOCAL CIVIL  
DEFENSE FUNCTIONS. DIRECTED SPECIFICALLY TOWARD THE  
VIEWPOINT OF THE LOCAL CIVIL DEFENSE DIRECTOR, THE  
REPORT PRESENTS THE SYSTEM CONSIDERATIONS REQUIRED TO  
DETERMINE THE TIME PERIOD(S) DURING WHICH SUCH  
EQUIPMENTS SHOULD BE USED; POSES QUESTIONS, GIVES  
ANSWERS AND DISCUSSES THE RANGE OF POTENTIAL  
APPLICATIONS, THE CONSTRAINTS AND CONSIDERATIONS OF  
INFORMATION SYSTEMS, AND MANAGEMENT AND OPERATIONAL  
FACTORS; AND, FINALLY RECOMMENDS THE COURSE OF ACTION  
TO FOLLOW REGARDING FURTHER RELATED STUDIES.

(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-637 900 15/3 5/4  
INSTITUTE FOR DEFENSE ANALYSES ARLINGTON VA ECONOMIC AND  
POLITICAL STUDIES DIV

U. S. CIVIL DEFENSE BEFORE 1950: THE ROOTS OF PUBLIC  
LAW 920. (U)

DESCRIPTIVE NOTE: SUMMARY REPT.

MAY 66 192P JORDAN, NEHEMIAH ;  
REPT. NO. STUDY-S-212, IDA/HQ-65-3756  
CONTRACT: OCD-OS-63-134,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*UNITED  
STATES); LAW, HISTORY, SOCIAL SCIENCES,  
PSYCHOLOGY, PUBLIC OPINION, POLITICAL SCIENCE,  
MANAGEMENT PLANNING, GREAT BRITAIN, LEADERSHIP,  
UNITED STATES GOVERNMENT (U)  
IDENTIFIERS: KOREA (U)

THE HISTORIC BACKGROUND OF PUBLIC LAW 920, THE  
CIVIL DEFENSE ACT OF 1950, IS EXAMINED IN ORDER  
TO ILLUMINATE THE CAUSES OF THE DIFFICULTIES NOW  
CONFRONTING THOSE CONCERNED WITH NATIONAL CIVIL  
DEFENSE IN THEIR EFFORTS TO ESTABLISH AN OPERATIONAL  
OR POTENTIALLY OPERATIONAL CIVIL DEFENSE  
ORGANIZATION. THE HYPOTHESIS OF THE STUDY IS THAT  
MANY OF THESE DIFFICULTIES ARE AN INHERITANCE OF A  
FORGOTTEN PAST. THE STUDY OF THIS PERIOD SHOWS  
THAT MANY OF THE EVENTS LEADING UP TO THE ENACTMENT  
OF THIS LAW, AS WELL AS THE INTENT OF THOSE INVOLVED  
IN ITS LEGISLATION, ARE PROBABLY RADICALLY  
MISUNDERSTOOD AT PRESENT. UNDERSTANDING OF EVENTS  
PRIOR TO THE ENACTMENT OF THE LAW SHEDS MUCH LIGHT ON  
MANY CURRENT DEFENSE DIFFICULTIES AND, AS SUCH, IS  
USEFUL FOR FUTURE PLANNING. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-639 751 15/3  
HUDSON INST INC HARMON-ON-HUDSON N Y

METHODOLOGY FOR POSTATTACK RESEARCH. (U)

DESCRIPTIVE NOTE: RESEARCH REPT.,  
AUG 66 46P AYRES, ROBERT U. ;  
REPT. NO. H-647-RR,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, SCIENTIFIC  
RESEARCH), BEHAVIOR, SOCIOLOGY, RADIATION EFFECTS,  
NUCLEAR EXPLOSION DAMAGE (U)

THE REPORT DISCUSSES THE METHODOLOGY OF POSTATTACK  
RESEARCH. A HIERARCHICAL APPROACH IS DESCRIBED, IN  
WHICH THE OBJECTS OF ANALYSIS RANGE FROM SIMPLE  
ORGANISMS AND ARTIFACTS TO COMPLEX HUMAN SOCIETIES  
AND ECOSYSTEMS. THE NOTION OF 'RESPONSE' TO A  
PERTURBATION WHICH IS APPROPRIATE FOR SIMPLE SYSTEMS  
IS EXTENDED TO ENCOMPASS THE WIDER NOTION OF  
'DISUTILITY' IN DESCRIBING THE EFFECTS OF A NUCLEAR  
ATTACK ON THE ECONOMY OR THE SOCIETY OF THE NATION AS  
A WHOLE. THE APPROPRIATE USES OF DEVICES SUCH AS  
SCENARIOS, GAMES, CASE HISTORIES, METAPHORS AND  
MODELS FOR VARIOUS PURPOSES IS DISCUSSED. THE  
MAJOR POINT IS THAT NON-RIGOROUS CONSTRUCTS MAY BE  
EXTREMELY HELPFUL IN TRAINING, RAISING THE LEVEL OF  
THE DISCUSSION, AND GENERATING INSIGHTS, BUT CANNOT  
BE USED FOR PREDICTIVE PURPOSES AS MODELS CAN. A  
'STATE-OF-THE-ART' ESTIMATE OF VARIOUS MODELS IS  
INCLUDED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-640 206 15/J  
FEDERAL AVIATION AGENCY WASHINGTON D C

DEFENSE READINESS: SELECTED REFERENCES. (U)

MAR 64 42P  
REPT. NO. BIBLIOGRAPHIC LIST-11,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS,  
BIBLIOGRAPHIES), CIVIL DEFENSE PERSONNEL,  
TRAINING, FALLOUT SHELTERS, COMMUNICATION SYSTEMS,  
TRANSPORTATION, PUBLIC HEALTH, PSYCHOLOGY,  
MEDICINE, RADIOLOGICAL CONTAMINATION, RADIATION  
MONITORS, DECONTAMINATION, CIVIL AVIATION,  
SURVIVAL, AGRICULTURE, INDUSTRIES (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-641 989 5/10 15/3  
SIMULMATICS CORP NEW YORK

CRISIS LEVEL AND CIVIL DEFENSE ATTITUDES. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
MAY 66 63P POPKIN, SAMUEL L. ;  
TASK: 4813A

UNCLASSIFIED REPORT

DESCRIPTORS: (\*ATTITUDES, \*CIVIL DEFENSE SYSTEMS),  
PUBLIC OPINION, PSYCHOMETRICS, ANALYSIS OF  
VARIANCE, WARFARE (U)

COMPARATIVE SURVEY ANALYSIS WAS USED TO RELATE  
PUBLIC OPINIONS ABOUT CIVIL DEFENSE TO THE LEVEL  
OF INTERNATIONAL TENSION. TWELVE CLUSTERS OF  
SIMILAR QUESTIONS FROM NATIONAL SURVEYS TAKEN BETWEEN  
1952 AND 1964 WERE ANALYZED TO DETERMINE IF THERE  
WERE ANY SIGNIFICANT VARIATIONS BETWEEN SURVEYS THAT  
COULD BE ACCOUNTED FOR BY CHANGES IN THE LEVEL OF  
INTERNATIONAL TENSION. CLUSTERS MOST SIGNIFICANTLY  
RELATED TO THE TENSION LEVEL WERE IMMINENCE OF  
WAR AND HOME PREPARATIONS FOR ATTACK. IN  
GENERAL IT IS CONCLUDED THAT IT OFTEN IS MORE  
IMPORTANT TO HAVE HIGH CONTINUITY BETWEEN SURVEYS IN  
QUESTIONS ASKED AND TO HAVE HIGH FLEXIBILITY IN THE  
TIMING OF SURVEYS. (AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-642 145 15/3 5/1  
HUDSON INST INC HARMON-ON-HUDSON N Y

MANAGEMENT REQUIREMENTS FOR CRISIS CIVIL DEFENSE  
PROGRAMS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
SEP 64 36P ROCKETT, FREDERICK C. ;  
REPT. NO. HI-612-RR  
TASK: 4211-C

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*MANAGEMENT  
ENGINEERING), SURVIVAL, SPECIFICATIONS, MANAGEMENT  
PLANNING, ECONOMICS, RECOVERY

(U)

MANAGING CRISIS PREPARATIONS FOR CIVIL DEFENSE IS  
SEEN AS A MAJOR TASK REQUIRING PEACETIME  
PREPARATIONS. CONSIDERABLE MANAGEMENT FLEXIBILITY  
WOULD BE REQUIRED BECAUSE CIVIL DEFENSE PREPARATIONS  
HAVE SEVERAL POTENTIAL PROGRAMS. BEYOND SURVIVAL  
MEASURES THERE ARE SUCH POSSIBLE CRISIS PROGRAMS AS  
RECOVERY, WELFARE, AND COMMAND AND CONTROL. EACH  
CRISIS PROGRAM MIGHT HAVE SEVERAL VERSIONS WITH  
DIFFERENT IMPLEMENTATION TIMES AND MEASURES.  
CRISIS CONDITIONS COULD AFFECT THE FEASIBILITY OF  
CRISIS PROGRAMS ADDING TO THE REQUIREMENT FOR  
FLEXIBILITY. IN PLANNING THE MANAGEMENT OF CRISIS  
CIVIL DEFENSE EFFORTS, OVER-ALL IMPLEMENTATION  
STRATEGIES MIGHT HAVE VALUE. THREE IMPLEMENTATION  
STRATEGIES ARE DISCUSSED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-643 719 15/3 5/11  
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

CIVIL DEFENSE AND SOCIETY.

(U)

DESCRIPTIVE NOTE: INTERIM REPT.,  
JUN 63 263P NEHNEVAUSA, JIRI ;  
CONTRACT: OCU-OS-62-267

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS,  
EFFECTIVENESS), (\*SOCIOLOGY, CIVIL DEFENSE  
SYSTEMS), PROBABILITY, COSTS, PUBLIC OPINION,  
DECISION MAKING, SURVIVAL, ENVIRONMENT,  
COMPATIBILITY, DISARMAMENT, DETERRENCE, COLD  
WAR, STRESS (PSYCHOLOGY), FEDERAL BUDGETS, ARMS  
CONTROL

(U)

FIRST OF ALL, THE AUTHOR CONSIDERS PROBLEMS OF  
EFFECTIVENESS OF ANY CIVIL DEFENSE PROGRAM.  
THIS HAS TO DO WITH THE CAPABILITY OF A PROGRAM TO  
ATTAIN, TO A REASONABLE DEGREE, ITS OWN OBJECTIVES.  
SECONDLY, HE LOOKS AT THE IMPACT OF CIVIL  
DEFENSE UPON THE COLD WAR. THESE, AS IT  
WERE, ARE EFFECTS WHICH WE MAY BUY BY ADOPTING  
MEASURES TO PROTECT OUR POPULATION. THEY HAVE TO  
DO WITH THE FACT THAT SOME NATIONAL RESOURCES MAY  
HAVE TO BE DIVERTED FROM OTHER PROGRAMS; THAT  
CONFLICT BETWEEN PEACE AND WAR-PREPARATIONS MAY EXIST  
IN REALITY, OR IN PERCEPTIONS OF PEOPLE (COGNITIVE  
DISSONANCE PROBLEM); THAT CIVIL DEFENSE MAY  
CONTRIBUTE TO DETERRENCE EITHER DIRECTLY OR THROUGH  
ITS EFFECT UPON CREDIBILITY OF USE OF NUCLEAR  
WEAPONS; THAT IT MAY INCREASE THE PROSPECTS FOR WAR.  
THIRDLY, HE CONSIDERS THE EFFECTS OF CIVIL  
DEFENSE UPON AMERICANS AND UPON THE NATURE OF OUR  
SOCIETY. THESE ARE KEY STANDARDS AGAINST WHICH THE  
FEASIBILITY, WORTH, AND MEANING OF ALTERNATIVE  
PROGRAMS HAVE TO BE EVALUATED.

(U)

UNCLASSIFIED

/ZMML7

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-644 619 15/3  
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

A STATE CIVIL DEFENSE TRAINING PLAN: AN ORGANIZATION  
AND TRAINING DEVELOPMENT RESEARCH STUDY. (U)

DESCRIPTIVE NOTE: TECHNICAL MEMO.,  
SEP 66 345P GORDON, J. J. IBUSTYA, C. ;  
STREICH, E. R. ;  
REPT. NO. TM-3099/000/01

UNCLASSIFIED REPORT

DESCRIPTIONS: (\*CIVIL DEFENSE SYSTEMS, TRAINING),  
(\*CIVIL DEFENSE PERSONNEL, INSTRUCTION MANUALS),  
MANAGEMENT ENGINEERING, DISASTERS, FIRES, SYSTEMS  
ENGINEERING, FIRE SAFETY, WARFARE (U)

A FULLY DETAILED AND COMPREHENSIVE EXAMINATION OF  
STATE CIVIL DEFENSE TRAINING. IT INCLUDES A SURVEY  
OF STATES, WHICH WAS UNDERTAKEN TO DETERMINE THE  
ARRAY OF DIFFERENT STATE AGENCY ORGANIZATIONAL  
STRUCTURES. USING IT AS A BASIS, SPECIFIC STATES  
WERE SELECTED FOR INTENSIVE STUDY AND DATA  
COLLECTION. UTILIZING THE DATA OBTAINED, AN  
ANALYSIS OF THE EMERGENCY TASKS OF EACH STATE AGENCY  
IS PERFORMED, TRAINING REQUIREMENTS SPECIFIED,  
PERSONNEL TO BE TRAINED DESIGNATED, AND TRAINING  
METHODS DESCRIBED. IN ADDITION ALTERNATIVE  
TRAINING PROBLEMS BASED UPON DIFFERENT FUNDING AND  
TIMING ASSUMPTIONS ARE PROPOSED AND EXAMINED; A  
'CRISIS PREPARATION' PROGRAM IS DESCRIBED; AND A  
SPECIFIC EXAMPLE OF EMERGENCY SERVICE TRAINING USING  
THE FIRE SERVICE IS OUTLINED. FINALLY, SUGGESTIONS  
FOR FURTHER RESEARCH ARE PRESENTED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-646 150 15/3 5/9  
STANFORD RESEARCH INST MENLO PARK CALIF

OCCUPATIONAL SKILLS AND CIVIL DEFENSE, (U)

SEP 66 82P BROWN, STEPHEN L. ;  
PROJ: SR1-MU-4949-350

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, MANPOWER STUDIES), (\*EMPLOYMENT, INDUSTRIES), JOB ANALYSIS, LABOR, INDUSTRIAL PLANTS, POPULATION, SURVIVAL, TECHNICIANS, CLASSIFICATION, SAMPLING, CIVILIAN PERSONNEL, INDUSTRIAL RESEARCH (U)

DETAILED KNOWLEDGE OF LOCAL DISTRIBUTIONS OF INDUSTRIAL SKILLS AND NATIONWIDE PATTERNS OF EMPLOYMENT IS USEFUL PREATTACK IN ANALYZING INDUSTRIAL VULNERABILITY AND POSTATTACK IN ALLOCATING LABOR RESOURCES. A METHOD FOR ESTIMATING OCCUPATION-INDUSTRY DISTRIBUTION, BY CENSUS TRACT, IS PROPOSED AND USED IN A HYPOTHETICAL ATTACK ON SAN JOSE, CALIFORNIA, TO INVESTIGATE SELECTIVE SURVIVAL OF OCCUPATIONAL SKILLS. A MATRIX OF OCCUPATIONS, BY INDUSTRY, IS PRESENTED FOR THE ENTIRE UNITED STATES. THE TYPES OF ANALYSES THAT CAN BE UNDERTAKEN USING THE MATRIX ARE DISCUSSED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-646 996 5/10 15/3 13/13  
SIMULMATICS CORP CAMBRIDGE MASS

EVALUATION OF COMMUNITY RESPONSE TO FPHS  
PROGRAM.

(U)

DESCRIPTIVE NOTE: FINAL REPT., 14 MAR-30 DEC 66,  
DEC 66 56P POOL, ITHIEL DE SOLA YATES,  
JULES D. WESTLAKE, M. I

UNCLASSIFIED REPORT

DESCRIPTORS: (\*ATTITUDES, \*CIVIL DEFENSE SYSTEMS),  
PUBLIC OPINION, QUESTIONNAIRES, HOUSING,  
BUILDINGS, FALLOUT SHELTERS, SHIELDING,  
PSYCHOMETRICS, REACTION(PSYCHOLOGY)  
IDENTIFIERS: EVALUATION

(U)

(U)

TWO SURVEYS WERE CONDUCTED TO EVALUATE THE RESPONSE  
IN RHODE ISLAND TO A QUESTIONNAIRE ON  
EVALUATION OF FALLOUT PROTECTION IN HOMES.  
(FPHS) RECEIPT OF THE FPHS QUESTIONNAIRE DID NOT  
SIGNIFICANTLY CHANGE ATTITUDES TOWARD CIVIL DEFENSE  
PROGRAMS, NOR DID IT RAISE THE LEVEL OF ANXIETY IN  
THE COMMUNITY. RECEIPT OF REPLIES TO THE  
HOUSEHOLDERS' RESPONSES (WHICH PRECEDED THE SECOND  
SURVEY) DID RAISE THE LEVEL OF AWARENESS ABOUT  
CIVIL DEFENSE, WITHOUT SIGNIFICANTLY CHANGING THE  
LEVEL OF ANXIETY OR CHANGING THE ACTIVITY OF  
HOUSEHOLDERS WITH REGARD TO A FALLOUT SHELTER  
PROGRAM. THE FPHS QUESTIONNAIRE PROGRAM, WHILE  
USEFUL IN ELICITING INFORMATION, CANNOT BY ITSELF  
SERVE TO ENCOURAGE ACTION (TO ANY USEFUL DEGREE)  
BY THE PUBLIC WITH REGARD TO FALLOUT SHELTERS.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-647 250 18/4 15/3  
GAUTNEY AND JONES COMMUNICATIONS INC WASHINGTON, D C

INSTALLATION AND TESTING OF AN AUTOMATIC . DTE  
RADIOLOGICAL MONITORING SYSTEM. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
JUL 66 127P HARRIES, WILLIAM S. METZLER,  
ROBERT E. LAWSON, MELVIN E. , JR;  
REPT. NO. TR-66.0201.003

UNCLASSIFIED REPORT

DESCRIPTORS: (•RADIATION MONITORS, AUTOMATIC);  
TELEMETER SYSTEMS, CIVIL DEFENSE SYSTEMS, DATA  
TRANSMISSION SYSTEMS, REMOTE CONTROL SYSTEMS (U)

AN AUTOMATIC REMOTE RADIOLOGICAL MONITORING  
SYSTEM WHICH WAS DEVELOPED WAS INSTALLED IN A  
COMMUNITY AND TESTED FOR OPERATIONAL CHARACTERISTICS.  
THE SYSTEM AS DELIVERED WAS CAPABLE OF BEING  
OPERATED VIA LANDLINE TELEMETRY LINKS BUT  
CONSIDERABLE ENGINEERING EFFORT WAS REQUIRED TO  
EFFECT AN INTERFACE WITH A VHF RADIO LINK.  
EXTENSIVE MODIFICATION OF BOTH THE BASE STATION AND  
REMOTE STATION TRANSCEIVERS AS WELL AS THE MONITORING  
EQUIPMENT WAS PERFORMED. WHEN THE RADIO TELEMETRY  
PROBLEMS HAD BEEN SOLVED, THE SYSTEM WAS DEPLOYED IN  
MONTGOMERY COUNTY, MARYLAND, WHICH COMPRISES AN  
AREA OF APPROXIMATELY FIVE HUNDRED SQUARE MILES.  
THE UNITS WERE INSTALLED ON COUNTY SCHOOL  
PROPERTIES DISTRIBUTED THROUGHOUT THE COUNTY, AND  
THE DEPLOYMENT PATTERN INCLUDES PATH LENGTHS RANGING  
FROM THREE AND ONE HALF TO FIFTEEN AND ONE HALF MILES  
OVER ROLLING TERRAIN. TELEMETRY MODES SUCCESSFULLY  
EMPLOYED IN THE INSTALLATION INCLUDE TWO VHF SINGLE  
FREQUENCY RADIO LINKS, SIX STANDARD LEASED LANDLINE  
LINKS, ONE COMBINATION LEASED LANDLINE - BELL  
SYSTEM AUDIO CARRIER LINK AND ONE COMBINATION  
LEASED LANDLINE - DUPLEX MICROWAVE LINK. THE  
SYSTEM IS NOW OPERATIONAL AND IS CURRENTLY BEING  
EVALUATED, UNDER A SEPARATE CONTRACT, FOR  
EFFECTIVENESS IN ITS PRESENT FORM AND FOR  
IMPROVEMENTS IN RELIABILITY AND OPERABILITY THAT MAY  
BE INCORPORATED IN FUTURE SYSTEMS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMHL7

AD-649 543 15/3 5/4  
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

AMERICANS' VIEWS ON CIVIL DEFENSE IN THE COLD WAR  
CONTEXT: 1966. (U)

DESCRIPTIVE NOTE: SUMMARY REPT.,  
DEC 66 154P NEHNEVAJSA, JIRI :  
CONTRACT: OCD-OS-63-48, NSF-G-11309

UNCLASSIFIED REPORT

DESCRIPTORS: (\*COLD WAR, CIVIL DEFENSE SYSTEMS),  
(\*CIVIL DEFENSE SYSTEMS, PUBLIC OPINION),  
POPULATION, ATTITUDES, DISASTERS, FALLOUT  
SHELTERS, NUCLEAR WEAPONS, PROBABILITY,  
SAMPLING (U)

THE PURPOSE OF THIS REPORT IS TO EXAMINE  
AMERICANS' VIEWS ON CIVIL DEFENSE IN THE 1966 COLD  
WAR CONTEXT FROM THE POINT OF VIEW OF THE FUNDAMENTAL  
PATTERNS AND MEANINGS OF ALL AVAILABLE INFORMATION  
AND FROM THE POINT OF VIEW OF EVALUATING SPECIFIC  
ITEMS OF INFORMATION. THE 1966 DATA WERE OBTAINED  
FROM A NATIONAL SAMPLE OF 1,497 AMERICANS  
INTERVIEWED IN FEBRUARY AND MARCH, 1966. IN  
MANY CASES, DATA ARE PRESENTED WITH COMPARABLE DATA  
FROM PREVIOUS STUDIES. THERE IS A FORM OF  
'NATIONAL CONSENSUS,' WITH STABILITY OVER TIME, IN  
SUPPORT OF CIVIL DEFENSE, AND IT IS IMPOSSIBLE TO  
IDENTIFY ANY PARTICULAR SEGMENT OF THE POPULATION WHO  
EXPRESS NEGATIVE SENTIMENTS. THE BASIC CONSISTENCY  
IN POSITIVE ATTITUDES APPARENTLY HAS NOT BEEN  
AFFECTED BY FLUCTUATIONS IN THE INTERNATIONAL  
ENVIRONMENT, CHANGES IN THE NATION'S ADMINISTRATION,  
OR SHIFTS IN SOVIET LEADERSHIP. NOR HAVE MAJOR  
SHIFTS IN THE CIVIL DEFENSE PROGRAMS THEMSELVES  
AFFECTED THE NATIONAL SENTIMENT. AMERICANS ARE  
CONVINCED THAT SURVIVAL ODDS WOULD BE GREATLY  
ENHANCED FOR A SHELTERED POPULATION. THE SHELTER  
ASSIGNMENT NOTION MEETS WITH VERY LITTLE NEGATIVE  
FEELING. THE HOME SHELTER SURVEY IDEA IS VERY WELL  
RECEIVED. AMERICANS SEE A SIGNIFICANT ROLE FOR  
CIVIL DEFENSE IN NATURAL DISASTER AND OTHER EMERGENCY  
SITUATIONS. WHILE AMERICANS DO NOT CONSIDER  
CIVIL DEFENSE TO BE AMONG THE MOST IMPORTANT PROBLEMS  
FACING THE NATION, AMONG PROGRAMS COMPETING BEFORE  
CONGRESS FOR FINANCIAL SUPPORT, CIVIL DEFENSE IS  
SECOND ONLY TO HIGHER EDUCATION AND NATIONAL HEALTH  
PROGRAMS. (U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-649 835 13/2 5/1 15/3  
PLANNING RESEARCH CORP LOS ANGELES CALIF

IMPLEMENTATION OF AN ORDERED SPRAWL URBAN  
CONFIGURATION.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
JAN 67 226P BLUNT, KEITH R. ILIFETER,  
JOEL J. IVANDAAM, PETER J  
REPT. NO. PRC D-1219

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH  
STANFORD RESEARCH INST., MENLO PARK, CALIF.  
CONTRACT OCD-PS-64-201.

DESCRIPTORS: (•URBAN AREAS, CONFIGURATION),  
(•CIVIL DEFENSE SYSTEMS, URBAN AREAS), URBAN  
PLANNING, PASSIVE DEFENSE, COSTS, POPULATION,  
TRANSPORTATION, FEASIBILITY STUDIES, MANAGEMENT  
ENGINEERING

(U)

THIS STUDY IS THE THIRD PHASE OF A RESEARCH EFFORT  
CONCERNED WITH THE ROLE OF URBAN FORM AS A PASSIVE  
DEFENSE VARIABLE. ITS PURPOSE IS TO CONSIDER HOW  
THE PHYSICAL CONFIGURATIONS OF EXISTING URBAN AREAS  
MIGHT BE MODIFIED IN ORDER TO BRING THEM IN CLOSER  
APPROXIMATION TO A DECENTRALIZED 'ORDERED SPRAWL'  
ARRANGEMENT FOUND IN THE INITIAL PHASE OF THE WORK TO  
BE OPTIMAL IN TERMS OF ECONOMIC, SOCIAL, AND DEFENSE  
CONSIDERATIONS. ATTENTION IS FOCUSED ON THREE  
MAJOR SUBJECT AREAS: TECHNIQUES FOR IMPLEMENTING  
URBAN DECENTRALIZATION, MAJOR PROBLEMS LIKELY TO BE  
ENCOUNTERED IN DECENTRALIZATION EFFORTS, AND CONTROL  
PROCESSES THROUGH WHICH CONFIGURATIONAL MODIFICATIONS  
WOULD HAVE TO BE IMPOSED. IN COMPARING ORDERED  
SPRAWL WITH CONVENTIONAL URBAN FORMS, IT WAS FOUND  
THAT CONTROL OF INTERCOMMUNITY OPEN SPACE WOULD BE  
THE CRITICAL ELEMENT IN ACHIEVING METROPOLITAN  
DECENTRALIZATION. WHILE TECHNIQUES CURRENTLY  
AVAILABLE FOR GUIDING URBAN LAND-USE DECISIONS  
CONSTITUTE A SOUND FOUNDATION OF CONTROL FOR  
IMPLEMENTING DECENTRALIZATION, THEY WOULD HAVE TO BE  
ADMINISTERED ON AN AREA-WIDE BASIS AND SUPPLEMENTED  
BY VARIOUS INDIRECT CONTROLS. WHILE PLANNING FOR  
DECENTRALIZATION WOULD HAVE TO OCCUR WITHIN A  
METROPOLITAN FRAMEWORK, THE URBAN PLANNING FUNCTION  
IS CURRENTLY CONDUCTED LARGELY AT THE MUNICIPAL  
LEVEL; THE PROBLEM HERE COULD BE RESOLVED BY  
ASSIGNING RESPONSIBILITY FOR DECENTRALIZATION  
PLANNING TO THE METROPOLITAN TIER.

(U)



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-651 049 5/11  
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND  
ANTHROPOLOGY

SYSTEM LINKAGES AMONG WOMEN'S ORGANIZATIONS: AN  
EXPLORATORY STUDY OF MEMBERSHIP AND LEADERSHIP  
LINKAGES AMONG WOMEN'S FORMAL ORGANIZATIONS IN A  
LOCAL COMMUNITY. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
67 143P BEAL, GEORGE M. ; KLONGLAN,  
GERALD E. ; YARBROUGH, PAUL ; BOHLEN, JOE M. ;  
DILLMAN, DON A. ;  
REPT. NO. RURAL SOCIOLOGY-42  
PROJ: 401-43-26-73-1529  
TASK: 4811-E

UNCLASSIFIED REPORT

DESCRIPTORS: (\*ORGANIZATIONS, \*SOCIAL SCIENCES),  
LEADERSHIP, SOCIOLOGY, FEMALES, HUMANS, CIVIL  
DEFENSE SYSTEMS, ATTITUDES, BEHAVIOR, SOCIAL  
PSYCHOLOGY, RURAL AREAS (U)

THE LOCAL CIVIL DEFENSE DIRECTOR IS  
CONCEPTUALIZED AS A CHANGE AGENT WITH THE TASK OF  
INSTIGATING SOCIAL CHANGE. IN LOCAL COMMUNITIES  
VOLUNTARY ORGANIZATIONS, CONCEPTUALIZED AS SOCIAL  
SYSTEMS, ARE POTENTIAL RESOURCES WHICH A CHANGE AGENT  
MAY UTILIZE IN VARIOUS WAYS TO INSTIGATE SOCIAL  
CHANGE. THE VOLUNTARY ORGANIZATIONS IN A SINGLE  
LOCAL COMMUNITY HAVE VARIOUS RELATIONSHIPS EXTANT  
BETWEEN THEM WHICH MAY IMPINGE UPON ATTEMPTS TO  
INVOLVE THEM IN SOCIAL CHANGE EFFORTS. ONE OF  
THESE RELATIONSHIPS IS THAT OF STRUCTURAL SYSTEM  
LINKAGE, I.E. OVERLAPPING MEMBERSHIPS WITH OR WITHOUT  
ACCOMPANYING LEADERSHIP RESPONSIBILITIES OR  
QUALITIES. FOUR TYPES OF STRUCTURAL SYSTEM  
LINKAGES ARE ANALYZED IN THIS REPORT: MEMBER TO  
MEMBER LINKAGE, MEMBER TO OFFICER LINKAGE, MEMBER TO  
ORGANIZATIONAL INFLUENTIAL LINKAGE AND MEMBER TO  
COMMUNITY INFLUENTIAL LINKAGE. DEFINITE PATTERNS  
OF MEMBER TO MEMBER LINKAGES AND MEMBER TO LEADER  
LINKAGES EXISTED AMONG THE 41 STUDY ORGANIZATIONS.  
CLUSTERS OF ORGANIZATIONS WERE DELINEATED ON THE  
BASIS OF THE PATTERNING OF MEMBER TO MEMBER LINKAGES.  
THE PATTERNS OF MEMBER TO LEADER LINKAGES DIFFERED  
FROM THAT OF THE MEMBER TO MEMBER LINKAGES.

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-651 167 15/J  
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

COST AND FINANCING OF CIVIL DEFENSE; SOME PUBLIC  
VIEWS.

(U)

FEB 67 77P COLEMAN, ALAN N. ;  
CONTRACT: DAHC20-67-C-0122, NSF G11309

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, ECONOMICS),  
COSTS, FALLOUT SHELTERS, PUBLIC OPINION

(U)

THE REPORT ATTEMPTS TO BRING TOGETHER, FROM A NUMBER OF NATIONAL AND COMMUNITY STUDIES, THE RESULTS REGARDING THE AMERICAN PUBLIC'S VIEWS ON THE COST AND FINANCING OF CIVIL DEFENSE MEASURES AND PROGRAMS. GIVEN THE LIMITATIONS IMPOSED BY THE NUMBER AND DIVERSITY OF THE STUDIES USED, THE FOLLOWING GENERALIZATIONS OBTAINED: (1) INCREASING CIVIL DEFENSE EXPENDITURES IN GENERAL IS BELIEVED DESIRABLE; (2) MANY CITIZENS ARE UNCERTAIN ABOUT WHAT FALLOUT PROTECTION SHOULD COST; (3) PERSONAL ASSUMPTION OF THE TOTAL OR EVEN PARTIAL COST FOR FAMILY SHELTERS IS NOT FAVORED; (4) MAJOR OBJECTIONS TO FAMILY FALLOUT SHELTERS INVOLVE COST; (5) FAVORABILITY OF PUBLIC AS WELL AS FAMILY FALLOUT SHELTERS IS INCREASED WHEN FEDERAL OR STATE FINANCIAL ASSISTANCE IS INCLUDED; (6) A SUBSTANTIAL PORTION OF THE CITIZENRY FAVORS A TAX REDUCTION OR EXEMPTION FOR SHELTERS; (7) INDIRECT INDUCEMENTS FOR BUILDING SHELTERS GENERALLY MEET THE APPROVAL OF THE PUBLIC; (8) SPECIFIED ALTERNATIVE METHODS OF FINANCING SHELTERS HAVE BEEN MET WITH DISAPPROVAL OR UNCERTAINTY; (9) PUBLIC SHELTERS ARE VIEWED AS EFFECTIVE AND WORTH THE COST; (10) AMONG ALTERNATIVE PROGRAMS, EDUCATION AND HEALTH RANK AHEAD OF CIVIL DEFENSE MEASURES, AND VERY FEW PEOPLE CURRENTLY AGREE THAT CIVIL DEFENSE MONIES WOULD BE BETTER SPENT ON MISSILES AND BOMBERS. THE MAJORITY OF THE STUDIES UTILIZED WERE CONDUCTED IN THE EARLY 1960'S--A TIME WHEN THE FAMILY SHELTER CONTROVERSY REACHED IT APEX. GENERAL COST AND FINANCING ISSUES AND ALTERNATIVES HAVE NOT BEEN PROBED EXTENSIVELY IN NATIONAL AND COMMUNITY SURVEYS. (AUTHOR)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-653 466 5/11 15/3  
HUMAN SCIENCES RESEARCH INC MCLEAN VA

KINSHIP AND VOLUNTARY ORGANIZATION IN POST-  
THERMONUCLEAR ATTACK SOCIETY: SOME EXPLORATORY  
STUDIES, (U)

SEP 65 338P GREER, SCOTT A. WINCH;  
ROBERT F. I  
REPT. NO. HSR-RR-65/1-CR  
CONTRACT: OCD-OS-63-114

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH  
NORTHWESTERN UNIV., EVANSTON, ILL.; CENTER FOR  
METROPOLITAN STUDIES. SEE ALSO AD-653 466.

DESCRIPTORS: (\*SOCIOLOGY, UNITED STATES),  
(\*CIVIL DEFENSE SYSTEMS, SOCIOLOGY), SOCIAL  
PSYCHOLOGY, ORGANIZATIONS, URBAN AREAS,  
VULNERABILITY, DISASTERS, SOCIAL SCIENCES,  
RECOVERY, STATISTICAL DATA,  
REACTION(PSYCHOLOGY), POPULATION, BEHAVIOR,  
SURVIVAL, NUCLEAR WARFARE (U)

IDENTIFIERS: POST ATTACK OPERATIONS, FAMILIES (U)

THE INCIDENCE OF FAMILY-KINSHIP AND VOLUNTARY  
ORGANIZATIONAL PATTERNS IN CONTEMPORARY UNITED  
STATES SOCIETY ARE EXAMINED. MANY PRIMARY FAMILY  
UNITS, COMPOSED OF PARENTS-IMMEDIATE CHILDREN  
(\*NUCLEAR FAMILIES\*), HAVE TIES WITH RELATIVES  
OUTSIDE THE NUCLEAR FAMILY, WHICH SUGGESTS THE  
EXISTENCE OF PATTERNS OF EXTENDED FAMILISM AND OF  
KINSHIP NETWORKS. PARTICIPATION IN VOLUNTARY  
ORGANIZATIONS IS A WIDELY PERVASIVE FEATURE OF  
AMERICAN SOCIETY, OFFERING A MAJOR LEVEL AND FOCUS  
OF COMMUNITY ORGANIZATION AND ACTION.  
PARTICIPATION IN BOTH KINSHIP RELATIONS AND  
VOLUNTARY ORGANIZATIONS WAS FOUND TO VARY ON SEVERAL  
DIMENSIONS. KINSHIP RELATIONS VARY MOST STRONGLY  
BY 'ETHNICITY'--MEASURED BY THE RELIGIOUS, CULTURAL,  
AND/OR RACIAL BACKGROUND OF THE FAMILY.  
DIFFERENCES IN PATTERNS OF KINSHIP AND VOLUNTARY  
ORGANIZATION TEND TO BE ASSOCIATED WITH DIFFERENCES  
AMONG SOCIAL AREAS WHICH CAN BE DESCRIBED WITHIN THE  
PHYSICAL SPACE FORMED BY METROPOLITAN COMMUNITIES.  
SEVERAL PROPOSITIONS ARE FORMED, RELATING MASS DATA  
FOR AMERICAN CITIES AND THE ASSOCIATIONAL NETWORKS  
OF LOCALITIES. (1) THERE ARE CONSTANT  
RELATIONSHIPS BETWEEN SUB-POPULATION TYPES AND  
PARTICIPATION IN THE LOCAL AREA AS A COMMUNITY. (U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-654 201 15/3 5/10  
HUMAN SCIENCES RESEARCH INC MCLEAN VA

SPECIAL PROBLEMS OF CHILDREN IN CIVIL DEFENSE  
PLANNING.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
FEB 67 SSP LUTZ, FRANK W. ;  
REPT. NO. HSR-RR-67/3-CR  
CONTRACT: OCS-OS-63-114  
TASK: 43218

UNCLASSIFIED REPORT

DESCRIPTORS: (•DISASTERS, •CHILDREN), NUCLEAR  
WARFARE, CIVIL DEFENSE SYSTEMS, SHELTERS,  
EDUCATION, MANAGEMENT PLANNING,  
ADJUSTMENT (PSYCHOLOGY), SOCIAL PSYCHOLOGY,  
GROUP DYNAMICS, BEHAVIOR  
IDENTIFIERS: ORPHANS

(U)

(U)

THE STUDY IS A LIMITED RESEARCH EFFORT WHICH  
ADDRESSES FOUR KINDS OF QUESTIONS OF POTENTIAL  
INTEREST TO THE CIVIL DEFENSE PLANNER. (1)  
WHAT EFFECTS ON CHILDREN CAN BE OBSERVED WHICH ARE  
ATTRIBUTABLE TO THE EXISTENCE OF THE THREAT OR  
POSSIBILITY OF NUCLEAR WAR. (2) WHAT IS KNOWN  
ABOUT THE EFFECTS OF DISASTER AND FAMILY DISRUPTION  
ON CHILDREN WHICH MIGHT HAVE SIGNIFICANCE FOR CIVIL  
DEFENSE PLANNING. (3) WHAT IS KNOWN ABOUT  
ALTERNATIVE APPROACHES TO THE CARE OF ORPHANS.  
(4) WHAT ARE THE POSSIBLE USES OF SCHOOLS IN  
SHELTER SYSTEMS AND WHAT ARE THE CONSIDERATIONS  
INVOLVED. AVAILABLE EVIDENCE RELATED TO EACH OF  
THESE GENERAL QUESTIONS IS REVIEWED AND DISCUSSED.  
THE IMPLICATIONS OF THE FINDINGS WERE SUMMARIZED IN  
RELATION TO THREE COMPONENTS OF CIVIL DEFENSE  
PLANNING: (1) EDUCATION AND INFORMATION;  
(2) SHELTER SYSTEM PLANNING; (3) POST-ATTACK  
ORPHAN CARE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-654 478 15/3  
HUDSON INST INC HARMON-ON-HUDSON N Y

CRISIS CIVIL DEFENSE AND DETERRENCE,

(U)

APR 67 85P ROCKETT, FREDERICK C. I  
REPT. NO. HI-777/2-RR

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, •USSR),  
(•EASTERN EUROPE, CIVIL DEFENSE SYSTEMS),  
(•CHINA, CIVIL DEFENSE SYSTEMS), DETERRENCE,  
NATIONAL DEFENSE, UNITED STATES, TRANSPORTATION,  
EVACUATION, URBAN AREAS, FALLOUT SHELTERS,  
SURVIVAL, INDUSTRIES, VULNERABILITY, RECOVERY

(U)

THE REPORT EXAMINES THE POTENTIAL OF THE SOVIET UNION, CHINA, AND SOME EUROPEAN NATIONS FOR REDUCING THEIR VULNERABILITY TO NUCLEAR ATTACK THROUGH EMERGENCY CIVIL DEFENSE MEASURES TAKEN DURING AN INTENSE CRISIS. IT IS ARGUED THAT THIS CD POTENTIAL BY SUBSTANTIALLY REDUCING THE NUMBER OF HOSTAGES AND PROVIDING AN IMPROVED RECOVERY CAPABILITY, HAS SOME IMPLICATIONS FOR U.S. DETERRENCE POLICY. THUS, IF DETERRENCE POLICY IS THOUGHT TO REQUIRE A LARGE NUMBER OF URBAN HOSTAGES, IT MAY NEED TO BE REVIEWED IN LIGHT OF THE ABOVE POSSIBILITY. A SURVEY OF THE CD POLICIES AND CAPABILITIES OF THE ABOVE COUNTRIES SUGGESTS THAT A PRIMARY CRISIS CD MEASURE COULD BE AN URBAN EVACUATION TO EXPEDIENT OR IMPROVISED FALLOUT PROTECTION. IN ADDITION, IN SOME CRISIS ENOUGH TIME MIGHT BE AVAILABLE TO MOVE SOME PERSONAL PROPERTY AND PERHAPS SOME CRITICAL INDUSTRIAL RESOURCES OUT OF THE MORE LIKELY TARGET AREAS.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-655 530 15/6 18/1 15/3  
STANFORD RESEARCH INST MENLO PARK CALIF

METHODOLOGY FOR ASSESSING TOTAL VULNERABILITY, (U)

AUG 66 176P DRESCH, FRANCIS W. IELLIS,  
HAZEL I  
PROJ: SR1-MU-4949-520

UNCLASSIFIED REPORT

DESCRIPTORS: (\*VULNERABILITY, \*SYSTEMS  
ENGINEERING), (\*NUCLEAR WARFARE, \*THERMONUCLEAR  
REACTIONS), ECONOMICS, SOCIOLOGY, POLITICAL  
SCIENCE, CULTURE, ATTITUDES, INDUSTRIES,  
NUMERICAL ANALYSIS, LABOR UNIONS, LANGUAGE,  
SEMANTICS, UNITED STATES GOVERNMENT,  
INTERACTIONS, INPUT-OUTPUT DEVICES, CIVIL DEFENSE  
SYSTEMS (U)

THE STUDY WAS AN ATTEMPT TO APPLY SYSTEMS ANALYSIS  
TO THE STUDY OF TOTAL VULNERABILITY. THE RESULTS  
INDICATED THAT THE SYSTEMS CONCEPT COULD BE USED TO  
GENERATE, THROUGH AN EXPANSIBLE SEQUENCE OF CHECK  
LISTS, MANY PERTINENT QUESTIONS ABOUT THE STRUCTURE  
OF OUR SOCIETY AND ITS INTRINSIC VULNERABILITIES.  
THE ANALYSIS WAS CENTERED ON THE INDIVIDUAL AS A  
POLITICAL, SOCIAL AND ECONOMIC AGENT AND 23 PRIMARY  
INSTITUTIONS THAT INTERACT WITH HIM AND WITH EACH  
OTHER. THE FIRST STEP WAS TO IDENTIFY AS WELL AS  
POSSIBLE ALL INPUT AND OUTPUT VARIABLES FOR THE  
INDIVIDUAL AND THE INSTITUTIONS, AND ALL THE SOURCES  
OF EACH INPUT AND ALL THE DESTINATIONS FOR EACH  
OUTPUT. EXECUTION OF THIS STEP ENCOUNTERED MANY  
CONCEPTUAL AND SEMANTIC DIFFICULTIES, AND MADE IT  
QUITE CLEAR THAT INITIAL HOPES OF INVESTIGATING  
POSSIBLE INTER-RELATIONSHIPS QUANTITATIVELY WERE OVER  
OPTIMISTIC OR PREMATURE. THE SYSTEMS DESCRIPTIONS  
WERE RELATED TO THE PRIMARY AND SECONDARY EFFECTS OF  
THERMONUCLEAR ATTACK. THEY WERE COMPARED WITH MORE  
TRADITIONAL DESCRIPTIONS OF THE INSTITUTIONS AND WITH  
TWO SIMPLIFIED POSTATTACK SCENARIOS REPRESENTING THE  
PRIMARY EFFECTS OF A HEAVY COUNTER FORCE AND A HEAVY  
COUNTER INDUSTRY ATTACK. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-659 812 15/3 9/2 5/2  
STANFORD RESEARCH INST MENLO PARK CALIF

EOC DATA DISPLAY SYSTEM.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

MAY 67 220P

METZLER, ROBERT E. LAWSON,

MELVIN E. , JR.

TASK: 29

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH GAUTNEY  
AND JONES COMMUNICATIONS, INC., WASHINGTON, D.  
C., REPT. NO. TR-67.022,003.

DESCRIPTORS: (\*DISPLAY SYSTEMS, \*CIVIL DEFENSE  
SYSTEMS), DATA STORAGE SYSTEMS, INFORMATION  
RETRIEVAL, CONTROL PANELS, ENVIRONMENT, DATA,  
LOGIC CIRCUITS, COLORS

(U)

AN EOC DATA, DISPLAY SYSTEM, DESIGNED TO  
RECORD, STORE AND DISPLAY A WIDE VARIETY OF DATA, WAS  
DEVELOPED AND FABRICATED. THE SYSTEM CONSISTS OF A  
CENTRALIZED CONTROL CONSOLE AND TWO WALL-HUNG DISPLAY  
PANELS. THE CONSOLE CONTAINS LOGIC AND MEMORY  
CIRCUITS FOR DATA STORAGE AND RETRIEVAL, AND A  
CONTROL PANEL FOR EACH OF THE DISPLAY PANELS. DATA  
PERTAINING TO ENVIRONMENTAL CONDITIONS IN A  
GEOGRAPHICAL AREA OR PERTAINING TO STATUS OF PIECES  
OF EQUIPMENT AND FACILITIES MAY BE DISPLAYED WITH A  
RESOLUTION OF AS MUCH AS SIXTEEN LEVELS OF STATUS IN  
FOUR COLORS ON ONE DISPLAY PANEL. THE OTHER  
DISPLAY PANEL PROVIDES THE CAPABILITY TO INDICATE A  
POINT, DRAW A LINE OR A BOUNDARY, AND TO BLOCK IN AN  
AREA UTILIZING A LIGHT MATRIX CONTROLLED AND  
PROGRAMMED FROM THE CONTROL CONSOLE. (AUTHOR)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-661 048 15/3 5/9  
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND  
ANTHROPOLOGY

A SUMMARY OF THE FINAL REPORT LOCAL GOVERNING BODIES;  
THEIR RELATION TO CIVIL DEFENSE, (U)

MAR 67 31P KLONGLAN, GERALD E. IBEAL,  
GEORGE M. BOHLEN, JOE M. INYE, JOHN R. ;  
REPT. NO. RURAL SOCIOLOGY-46-S

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: AN EXPLORATORY STUDY OF DEFINITIONS  
AND PERFORMANCES OF CIVIL DEFENSE ROLES OF COUNTY BOARD  
MEMBERS, MAYORS, AND COUNTY-MUNICIPAL CIVIL DEFENSE  
DIRECTORS. SEE ALSO AD-661 060.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*CIVIL DEFENSE  
PERSONNEL), (\*CIVILIAN PERSONNEL, POLITICAL  
SCIENCE), PERFORMANCE(HUMAN), DECISION MAKING,  
SURVIVAL, SHELTERS, BUDGETS, TRAINING (U)

LOCAL GOVERNMENT OFFICIALS ARE KEY DECISION-MAKERS  
IN THE IMPLEMENTATION OF CIVIL DEFENSE PROGRAMS ON  
THE LOCAL LEVEL. AS LOCAL OFFICIALS ARE GIVEN NEW  
TASKS IN CIVIL DEFENSE, THEY UNDERSTAND THEIR ROLES  
TO VARYING DEGREES. THE REPORT FOCUSES ON (1)  
THE EXTENT TO WHICH LOCAL OFFICIALS UNDERSTAND THEIR  
OWN CIVIL DEFENSE ROLES, (2) THE EXTENT TO WHICH  
THEY UNDERSTAND THE CIVIL DEFENSE ROLES OF OTHER  
LOCAL OFFICIALS, (3) THE LOCAL OFFICIALS'  
EVALUATIONS OF THEIR OWN CIVIL DEFENSE ROLE  
PERFORMANCES, AND (4) THEIR EVALUATIONS OF THE  
CIVIL DEFENSE ROLE PERFORMANCES OF OTHER LOCAL  
OFFICIALS. FINDINGS ARE STATED. IMPLICATIONS  
ARE DRAWN FROM THE FINDINGS FOR CHANGE AGENTS. (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /4MML7

AD-662 603 15/3 5/1  
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

COMMAND AND CONTROL IMPLICATIONS OF THE CONCEPT OF  
EMERGENCY OPERATIONS UNDER NUCLEAR ATTACK. (U)

DESCRIPTIVE NOTE: TECHNICAL MEMO.,  
JUN 67 80P ABERSMAN, ALLEN I. ICUSACK,  
BRUCE L. GIBBONS, ROGER D. HANEY, TERENCE  
P. HODDY, LEE J. I  
REPT. NO. TM-3679

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, COMMAND +  
CONTROL SYSTEMS), NUCLEAR WARFARE, URBAN AREAS,  
ORGANIZATIONS, CIVIL DEFENSE PERSONNEL, FALLOUT  
SHELTERS, MANAGEMENT ENGINEERING, FLOW CHARTING (U)

THE RESULTS OF A STUDY OF THE COMMAND AND CONTROL  
IMPLICATIONS OF THE OCD CONCEPT OF EMERGENCY  
OPERATIONS UNDER NUCLEAR ATTACK. THE  
REPORT DELINEATES THE APPROACH, AND METHODOLOGY USED;  
AND PRESENTS THE RESULTS OF TWO MAJOR EFFORTS. THE  
FIRST, A STUDY OF THE COMMAND CONTROL AUTHORITIES,  
RESPONSIBILITIES, FUNCTIONS AND ASSOCIATED  
INFORMATION NEEDS; AND THE SECOND, AN ASSESSMENT OF  
THE ROLE OF THE EMERGENCY OPERATING CENTER  
UNDER THIS CONCEPT OF OPERATIONS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL No. /ZMML7

AD-662 781 15/3 5/1  
STANFORD RESEARCH INST MENLO PARK CALIF

THE COST AND FEASIBILITY OF EMERGENCY COOPERATION  
AMONG LOCAL GOVERNMENTS, (U)

OCT 67 93P MOLL, KENDALL I HIRSHBERG,  
RICHARD ;  
PROJ: SR1-MU-4949-410

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON CIVIL DEFENSE  
ORGANIZATION STUDIES.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*MANAGEMENT  
PLANNING), MANAGEMENT ENGINEERING, CIVIL DEFENSE  
PERSONNEL, COSTS, FEASIBILITY STUDIES, UNITED  
STATES GOVERNMENT, CONTROL, POLITICAL SCIENCE (U)

FROM QUANTITATIVE CONSIDERATIONS OF THE NEED FOR  
EMERGENCY INTERACTIONS AMONG LOCAL GOVERNMENT  
FUNCTIONS, THE REPORT CONCLUDES THAT AN ESSENTIALLY  
NEW FORM OF ORGANIZATION MUST BE PLANNED FOR  
EMERGENCY COORDINATION. A NEW ORGANIZATION WILL  
REQUIRE ABOUT 200 SPECIALLY TRAINED COORDINATORS IN  
SANTA CLARA COUNTY, CALIFORNIA. REALISTIC  
PLANNING, RECRUITING, TRAINING, AND TESTING ESTIMATES  
FOR SUCH A PROGRAM IMPLY A NATIONAL CIVIL DEFENSE IN  
THE ORDER OF \$2 MILLION PER YEAR. ANALYSES OF  
THE LEGAL BASIS AND POTENTIAL LOCAL ACCEPTANCE OF  
CENTRALIZED COORDINATION IN SANTA CLARA COUNTY  
INDICATE THAT AN EMERGENCY ORGANIZATION WOULD BE  
FEASIBLE TO ESTABLISH USING CERTAIN PROGRAM  
GUIDELINES. FIRST, PROGRAM DIRECT COSTS WOULD BE  
MOST ACCEPTABLE IF SUPPORTED BY THE FEDERAL  
GOVERNMENT. SECOND, THE ORGANIZATION SHOULD BE  
LOCALLY TAILORED TO EXISTING GOVERNMENT STRUCTURES  
RATHER THAN PATTERNED UNIFORMLY THROUGHOUT THE  
COUNTRY. THIRD, THE ORGANIZATION SHOULD BE  
FLEXIBLE TO PERMIT PRE-EMPTION OF LOCAL AUTHORITY IN  
PROPORTION TO THE SEVERITY OF THE EMERGENCY.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-663 839 15/3  
OFFICE OF CIVIL DEFENSE WASHINGTON D C

CIVIL DEFENSE RESEARCH ANALYSIS. (U)

DESCRIPTIVE NOTE: RESEARCH REPT.,  
NOV 67 125P DEVANEY, JOHN F. ;  
REPT. NO. OCD-RR-11-REV

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, SCIENTIFIC  
RESEARCH); ANALYSIS, EFFECTIVENESS, OPERATIONS  
RESEARCH, RESEARCH PROGRAM ADMINISTRATION (U)

THE REPORT PRESENTS A METHOD OF ANALYZING THE CIVIL  
DEFENSE RESEARCH PROGRAM TO OBTAIN DATA FOR USE IN  
PREPARING STATE-OF-THE-ART REVIEWS, IN PROGRAMMING,  
AND FOR OTHER PURPOSES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-664 178 15/3 5/4  
TECHNICAL OPERATIONS INC ARLINGTON VA WASHINGTON RESEARCH  
CENTER

SCENARIO-GAME MODEL FOR THE EXERCISE AND EVALUATION  
OF NATIONAL LEVEL CIVIL DEFENSE SYSTEMS. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
NOV 67 103P HARDICK, W. L. ; GUTHRIE, P.  
G. ; HOBSON, V. W. , JR. ; MATIAS, J. I  
REPT. NO. TOI-TR-67-4  
CONTRACT: DAMC20-67-C-0160

UNCLASSIFIED REPORT

DESCRIPTORS: (NATIONAL DEFENSE, CIVIL DEFENSE  
SYSTEMS), (CIVIL DEFENSE SYSTEMS,  
MODELS(SIMULATIONS)), GAME THEORY, DECISION  
MAKING, POLITICAL SCIENCE, MILITARY STRATEGY, COLD  
WAR, NUCLEAR WARFARE, LEADERSHIP, DETERRENCE,  
ARMS CONTROL, WARNING SYSTEMS, MANPOWER,  
VULNERABILITY (U)  
IDENTIFIERS: SCENARIOS (U)

THE MODEL WAS DEVELOPED IN RESPONSE TO A  
REQUIREMENT ESTABLISHED BY THE OFFICE OF CIVIL  
DEFENSE (OCD), DEPARTMENT OF THE ARMY. ITS  
PURPOSE IS TO PROVIDE A GAMING ORGANIZATION AND  
METHODOLOGY FOR EXERCISING AND EVALUATING CIVIL  
DEFENSE SYSTEMS WITHIN THE CONTEXT OF REALISTIC AND  
CREDIBLE CHANGES IN INTERNATIONAL TENSIONS AND CRISES  
BUILDUPS. SINCE THE GAME MODEL IS DESIGNED FOR  
A BROAD SCOPE OF OCD TEST REQUIREMENTS AT THE  
NATIONAL LEVEL, ITS FEATURES BUILT-IN FLEXIBILITY,  
THE EMPLOYMENT OF AGGREGATION TECHNIQUES, BROADLY  
CONTROLLED FREE PLAY, AND RELIANCE ON THE INTUITIVE  
JUDGMENT OF GAME PARTICIPANTS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-664 753 5/3 15/3  
INSTITUTE FOR DEFENSE ANALYSES ARLINGTON VA PROGRAM  
ANALYSIS DIV

ECONOMIC RELATIONSHIPS IN THE NEW ORLEANS  
METROPOLITAN AREA.

(U)

DESCRIPTIVE NOTE: RESEARCH PAPER;  
JUL 67 63P FAUCETT, JACK IKELLEHER, GRACE  
J. I  
REPT. NO. RP-P-347  
TASK: 4131A  
MONITOR: IDA/HQ 67-6832

UNCLASSIFIED REPORT

DESCRIPTORS: (ECONOMICS, URBAN AREAS), (CIVIL  
DEFENSE SYSTEMS, LOUISIANA), INDUSTRIES,  
FEASIBILITY STUDIES, POPULATION, FALLOUT SHELTERS,  
INDUSTRIAL PRODUCTION, COMMERCE, MONEY,  
INVENTORY ANALYSIS, MOBILIZATION, MATHEMATICAL  
ANALYSIS, CONSUMPTION, LABOR, TABLES

(U)

THE PAPER PRESENTS 1963 INTERINDUSTRY TRANSACTIONS  
DATA AND COEFFICIENTS FOR THE NEW ORLEANS  
STANDARD METROPOLITAN STATISTICAL AREA IN THE  
SAME FORM AS THE 1958 NATIONAL INTERINDUSTRY TABLE  
PREPARED BY THE OFFICE OF BUSINESS ECONOMICS,  
U.S. DEPARTMENT OF COMMERCE. THE DATA ARE  
PRESENTED IN FIVE LARGE (REMOVABLE) TABLES;  
INTERINDUSTRY TRANSACTIONS, DIRECT  
REQUIREMENTS PER DOLLAR OF GROSS OUTPUT,  
TOTAL REQUIREMENTS (DIRECT AND INDIRECT)  
PER DOLLAR OF DELIVERY TO FINAL DEMAND,  
IMPORTS BY PRODUCING SECTORS, AND DIRECT  
IMPORT REQUIREMENTS PER DOLLAR OF GROSS  
OUTPUT. THE TEXT OF THE REPORT DESCRIBES THE  
MATRICES AND GIVES EXAMPLES OF HOW THEY ARE USED.  
A COMPARATIVE ANALYSIS OF RESULTS DERIVED FOR NEW  
ORLEANS USING THE NATIONAL AND LOCAL INPUT-OUTPUT  
DATA IS INCLUDED TO DEMONSTRATE THE VALUE OF A  
REGIONAL ECONOMICS SURVEY FOR PURPOSES SUCH AS CIVIL  
DEFENSE PLANNING. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-665 383 15/3 5/10 5/11  
SIMULMATICS CORP CAMBRIDGE MASS

COMMUNITY INTERACTION GAME.

(U)

DESCRIPTIVE NOTE: FINAL REPT. 19 MAY-27 DEC 67,  
DEC 67 72P YATES, JULES DAVID ;  
CONTRACT: DAHC20-67-C-0103

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, GAME  
THEORY), (GROUP DYNAMICS, INTERACTIONS),  
SOCIAL PSYCHOLOGY, SIMULATION, BEHAVIOR,  
ATTITUDES, DISASTERS, TRAINING, PUBLIC OPINION,  
DECISION MAKING, ORGANIZATIONS,  
STRESS (PSYCHOLOGY), SOCIAL COMMUNICATION

(U)

THE REPORT DESCRIBES THE RESULTS OF A STUDY WHICH  
IS PART OF THE OFFICE OF CIVIL DEFENSE'S  
RESEARCH INTO THE PROCESS OF ADOPTION-DIFFUSION IN  
FUTURE STRATEGY ENVIRONMENTS. THE SIMULMATICS  
TEAM WAS DIRECTED BY THE STATEMENT OF WORK TO:  
'DEVELOP A HUMAN SIMULATION EXPERIMENT IN THE FORM  
OF A GAME TO BE USED AS A DEVICE FOR GAINING NEW  
INSIGHTS ABOUT HUMAN BEHAVIOR IN CRISIS PERIODS AND  
AS A TRAINING AID. THE GAME PROCEDURE WILL ATTEMPT  
TO FURTHER SYNTHESIZE RESEARCH FINDINGS ABOUT THE  
FUNCTION OF COMMUNITY POWER STRUCTURE IN IMPLEMENTING  
CIVIL DEFENSE PROGRAMS AND THE LIKELY EFFECTS OF  
HEIGHTENED INTERNATIONAL CRISIS ON THE EXPECTATIONS,  
ATTITUDES AND BEHAVIOR OF PEOPLE.' A METHODOLOGY  
WAS EXPLORED FOR SIMULATING BEHAVIOR WITHIN A  
FRAMEWORK DESCRIBING THE FUNCTIONING OF A COMMUNITY  
POWER STRUCTURE. THE TECHNIQUE EMPLOYED WAS THAT  
OF A GAME, WHICH WOULD CAUSE PARTICIPANTS TO BE  
INVOLVED IN INTERACTIONS RESULTING FROM THEIR OWN  
ACTIONS AND DECISIONS. PART I OF THIS REPORT IS  
A DISCUSSION OF THE INITIAL CONCEPTS AND BASES FOR  
THE GAME. PART II AND III DISCUSS THE FIRST  
BASIC SIMPLIFICATION AND THE CHANGE OF STRESS OF THE  
GAME. PART IV IS THE FINAL VERSION OF THE GAME.  
(AUTHOR)

(U)

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UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-665 637 15/3 5/9  
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

A MODEL LOCAL CIVIL DEFENSE TRAINING PLAN: AN  
ORGANIZATION AND TRAINING DEVELOPMENT RESEARCH  
STUDY.

(U)

DESCRIPTIVE NOTE: TECHNICAL MEMO.,  
AUG 67 175P BRICTON, R. C. IBUSTYA, C.  
ISTREICH, E. R. I  
REPT. NO. TM-3802

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, TRAINING),  
CIVIL DEFENSE PERSONNEL, OPERATIONAL READINESS,  
MANPOWER, MODELS(SIMULATIONS), DISASTERS,  
MANAGEMENT PLANNING, NUCLEAR WARFARE, URBAN AREAS,  
ADVANCED PLANNING, TEACHING METHODS, FLOW  
CHARTING

(U)

UTILIZING THE DATA OBTAINED AND FUNCTIONAL  
CATEGORIES DERIVED FROM THE FEDERAL CIVIL  
DEFENSE GUIDE EMERGENCY ACTIONS AND CONTROL  
AND SUPPORT FUNCTIONS, AN ANALYSIS OF THE  
EMERGENCY TASKS OF A MODEL LOCAL CIVIL DEFENSE  
OPERATION IS PERFORMED, TRAINING REQUIREMENTS  
SPECIFIED, PERSONNEL TO BE TRAINED DESIGNATED, AND  
TRAINING METHODS DESCRIBED. THE TRAINING REQUIRED,  
PERSONNEL DESIGNATED AND TRAINING METHODS SPECIFIED  
ARE RELATED TO THE OPERATIONAL TASKS IN EACH OF THREE  
TIME PERIODS: NORMAL, INCREASED READINESS AND  
ACTUAL EMERGENCY. ONE EMERGENCY ACTION CATEGORY --  
MEDICAL AID -- IS ANALYZED IN DEPTH UTILIZING A  
MULTI-LAYERED CONCEPT OF FLOW DIAGRAMMING.  
FINALLY, SUGGESTIONS FOR FURTHER RESEARCH ARE  
PRESENTED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-668 938 15/3 15/6  
STANFORD RESEARCH INST MENLO PARK CALIF

A STATISTICAL INFORMATION SYSTEM FOR ESTIMATING THE  
MAGNITUDE AND SCOPE OF NUCLEAR ATTACKS. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
FEB 68 97P RODDEN, ROBERT M. ; THOMPSON,  
CHARLES R. ; MIERCORT, FREDERIC A. ;  
PROJ: SR1-4949-680  
MONITOR: OCD . 4615A

UNCLASSIFIED REPORT

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, •DATA  
PROCESSING SYSTEMS), (•NUCLEAR WARFARE, •DAMAGE  
ASSESSMENT), STATISTICAL ANALYSIS, NUCLEAR  
EXPLOSION DAMAGE, SURVIVAL, POPULATION, DECISION  
MAKING, APPROXIMATION (MATHEMATICS), REAL TIME,  
SAMPLING, FLOW CHARTING, ACCURACY, PATTERN  
RECOGNITION, LEAST SQUARES METHOD (U)

THIS RESEARCH DEVELOPS CONCEPTS, FLOW DIAGRAMS, AND  
STATISTICAL METHODOLOGY FOR AN INFORMATION SYSTEM TO  
ESTIMATE THE MAGNITUDE AND SCOPE OF NUCLEAR ATTACKS.  
THE SYSTEM IS DESIGNED TO OPERATE IN THE  
TRANSATTACK AND IMMEDIATE POSTATTACK PERIODS WHEN  
DATA ON THE ATTACK CAN BE EXPECTED TO BE INCOMPLETE  
AND INACCURATE. THE UNDERLYING PRINCIPLE IN  
ESTIMATING ATTACK SIZE IS THAT OF STATISTICAL  
INFERENCE, WHICH PERMITS AN ESTIMATE TO BE MADE OF  
THE TOTAL ATTACK FROM INFORMATION ON A SAMPLE OF THE  
ATTACK ONLY. HEURISTIC DECISION RULES ARE APPLIED  
AS NEEDED TO MAKE THE SYSTEM OPERABLE. IT IS  
DEMONSTRATED HOW THE TARGET SYNTHESIS PROCEDURE THUS  
DEVELOPED MAY BE COUPLED TO A VARIETY OF SURVIVAL  
ESTIMATING TECHNIQUES TO YIELD SURVIVAL ESTIMATES.  
THE RESEARCH ALSO DEVELOPS STATISTICAL METHODOLOGY  
FOR PROCESSING REPORTS OF NUCLEAR DETONATIONS.  
(AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-669 989 15/3 5/10  
DEPARTMENT OF THE NAVY WASHINGTON D C

ACTIONS OF THE POPULATION IN A RURAL AREA WHEN THE  
CIVIL DEFENSE SIGNALS ARE GIVEN, (U)

MAY 68 18P ISAKOV, G. P. ;  
REPT. NO. TRANS-2600

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: TRANS. OF MONO. DEISTVIYA  
NA SELENIYA PO SIGNALAM GRAZHDANSKOI OBORONY V  
SELSKOI MESTNOSTI, MOSCOW, 1967 P1-22.

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, USSR),  
(•GROUP DYNAMICS, CIVIL DEFENSE SYSTEMS),  
POPULATION, RURAL AREAS, WARNING SYSTEMS,  
INSTRUCTION MANUALS, TIME, MASKING, AIR, EYE,  
SHOCK WAVES, REACTION (PSYCHOLOGY), BIOLOGICAL  
WARFARE, CHEMICAL WARFARE, MEDICAL SUPPLIES,  
CHEMICALS, PROTECTIVE COVERINGS, CONTAINERS,  
WATER SUPPLIES, RADIO COMMUNICATION SYSTEMS, FOOD,  
EVACUATION (U)  
IDENTIFIERS: TRANSLATIONS (U)

THE DOCUMENT COVERS INFORMATION CITIZENS SHOULD  
HAVE IN ORDER TO PREPARE FOR DEFENSE AGAINST WEAPONS  
OF MASS DESTRUCTION, AND TO KNOW WHAT TO DO WHEN  
CIVIL DEFENSE SIGNALS ARE GIVEN AS WELL AS DURING THE  
ELIMINATION OF THE EFFECTS OF THE ENEMY ATTACK.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-670 016 5/11 15/3  
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND  
ANTHROPOLOGY

A COMPARATIVE ANALYSIS OF COMMUNITY POWER STRUCTURES.  
A DELINEATION AND COMPARATIVE ANALYSIS OF POWER  
STRUCTURES IN FIVE IOWA COMMUNITIES. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
AUG 67 346P BOHLEN, JOE M. ; BEAL, GEORGE  
M. ; KLONGLAN, GERALD E. ; TAIT, JOHN L. ;  
REPT. NO. RURAL SOCIOLOGY-50  
CONTRACT: DAHC20-67-C-0123

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-670 017.

DESCRIPTORS: (\*SOCIOLOGY, \*CIVIL DEFENSE SYSTEMS),  
LEADERSHIP, SOCIAL PSYCHOLOGY, SOCIOMETRICS,  
ATTITUDES, DECISION MAKING,  
PERCEPTION (PSYCHOLOGY), CIVIL DEFENSE PERSONNEL,  
POWER, STATISTICAL ANALYSIS, IOWA (U)  
IDENTIFIERS: \*COMMUNITY POWER STRUCTURES (U)

THE LOCAL COMMUNITY IS CONCEPTUALIZED AS A SOCIAL SYSTEM. ONE OF THE ELEMENTS OF THE SOCIAL SYSTEM IS SOCIAL POWER. A SOCIAL POWER MODEL IS DEFINED WHICH MAY BE USED BY LOCAL CIVIL DEFENSE CHANGE AGENTS FOR ANALYZING SOCIAL POWER IN THEIR COMMUNITIES. THE MAJOR CONCEPTS OF THE SOCIAL POWER MODEL ARE SOCIAL POWER, AUTHORITY, INFLUENCE, POWER STRUCTURE, AND POWER ACTORS. THE COMMUNITY MEMBERS WHO HAVE SOCIAL POWER AND AFFECT THE COMMUNITY DECISION-MAKING PROCESS ARE DESIGNATED AS POWER ACTORS. THE INTERRELATIONSHIPS OF THE MAJOR CONCEPTS ARE STATED AS GENERAL HYPOTHESES. THE SOCIAL POWER MODEL WAS OPERATIONALIZED IN FIVE IOWA COMMUNITIES. THE COMMUNITY POWER ACTORS IN EACH COMMUNITY WERE INTERVIEWED. THE COMMUNITY ACTORS PERCEIVED THAT SOCIAL POWER EXISTED IN THE COMMUNITY. THE COMMUNITY POWER ACTORS EXERCISED SOCIAL POWER TO AFFECT THE OUTCOMES OF COMMUNITY ISSUE AREAS. THEY WERE FOUND TO HAVE SIMILAR PERSONAL AND SOCIAL CHARACTERISTICS. THE POWER ACTORS HAD A STRUCTURE IN THEIR INTERPERSONAL RELATIONS. THE POWER STRUCTURES TENDED TO VARY BY ISSUE AREA TO A GREATER EXTENT AS THE SIZE OF THE COMMUNITY INCREASED. IN THE SMALLER COMMUNITIES, THE TOP POWER ACTORS TENDED TO BE HOLDING POSITIONS OF AUTHORITY, WHILE THE TOP POWER ACTORS IN THE LARGER COMMUNITIES TENDED TO NOT BE IN POSITIONS OF AUTHORITY AT THE PRESENT TIME. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-670 017 5/11 15/3  
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND  
ANTHROPOLOGY

A COMPARATIVE ANALYSIS OF COMMUNITY POWER STRUCTURES:  
A DELINEATION AND COMPARATIVE ANALYSIS OF POWER  
STRUCTURES IN FIVE IOWA COMMUNITIES. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
AUG 67 68P BOHLEN, JOE M. ; BEAL, GEORGE  
M. ; KLONGLAN, GERALD E. ; TAIT, JOHN L. ;  
REPT. NO. RURAL SOCIOLOGY-505  
CONTRACT: DAHC20-67-C-0123  
MONITOR: OCD 4811-E

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-670 016.

DESCRIPTORS: (\*SOCIOLOGY, \*CIVIL DEFENSE SYSTEMS),  
LEADERSHIP, SOCIAL PSYCHOLOGY, SOCIOMETRICS,  
ATTITUDES, DECISION MAKING,  
PERCEPTION (PSYCHOLOGY), CIVIL DEFENSE PERSONNEL,  
POWER, STATISTICAL ANALYSIS, IOWA (U)  
IDENTIFIERS: \*COMMUNITY POWER STRUCTURES (U)

THE LOCAL COMMUNITY IS CONCEPTUALIZED AS A SOCIAL  
SYSTEM. ONE OF THE ELEMENTS OF THE SOCIAL SYSTEM  
IS SOCIAL POWER. A SOCIAL POWER MODEL IS DEFINED  
WHICH MAY BE USED BY LOCAL CIVIL DEFENSE CHANGE  
AGENTS FOR ANALYZING SOCIAL POWER IN THEIR  
COMMUNITIES. THE MAJOR CONCEPTS OF THE SOCIAL  
POWER MODEL ARE SOCIAL POWER, AUTHORITY, INFLUENCE,  
POWER STRUCTURE, AND POWER ACTORS. THE COMMUNITY  
MEMBERS WHO HAVE SOCIAL POWER AND AFFECT THE  
COMMUNITY DECISION-MAKING PROCESS ARE DESIGNATED AS  
POWER ACTORS. THE INTERRELATIONSHIPS OF THE MAJOR  
CONCEPTS ARE STATED AS GENERAL HYPOTHESES. THE  
SOCIAL POWER MODEL WAS OPERATIONALIZED IN FIVE IOWA  
COMMUNITIES. THE COMMUNITY POWER ACTORS IN EACH  
COMMUNITY WERE INTERVIEWED. THE COMMUNITY ACTORS  
PERCEIVED THAT SOCIAL POWER EXISTED IN THE COMMUNITY.  
THE COMMUNITY POWER ACTORS EXERCISED SOCIAL POWER  
TO AFFECT THE OUTCOMES OF COMMUNITY ISSUE AREAS.  
THEY WERE FOUND TO HAVE SIMILAR PERSONAL AND SOCIAL  
CHARACTERISTICS. THE POWER ACTORS HAD A STRUCTURE  
IN THEIR INTERPERSONAL RELATIONS. THE POWER  
STRUCTURES TENDED TO VARY BY ISSUE AREA TO A GREATER  
EXTENT AS THE SIZE OF THE COMMUNITY INCREASED. IN  
THE SMALLER COMMUNITIES, THE TOP POWER ACTORS TENDED  
TO BE HOLDING POSITIONS OF AUTHORITY, WHILE THE TOP  
POWER ACTORS IN THE LARGER COMMUNITIES TENDED TO NOT (U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-670 986 15/3 11  
MICHIGAN STATE UNIV EAST LANSING DEPT OF  
COMMUNICATION

A PILOT STUDY OF YOUNG AMERICANS' RELIEFS AND  
KNOWLEDGE ABOUT CIVIL DEFENSE.

(U)

DESCRIPTIVE NOTE: PRELIMINARY REPT. NO. 1,  
MAR 68 39P GREENBERG, BRADLEY S. ;  
DOMINICK, JOSEPH R. ; RAZINSKY, EDWARD I  
CONTRACT: DAHC20-67-C-0119  
MONITOR: OGD 4831-C

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, PUBLIC  
OPINION), ATTITUDES, ADOLESCENTS, STUDENTS,  
SOCIAL COMMUNICATION, FALLOUT SHELTERS

(U)

THE STUDY SOUGHT ANSWERS TO TWO QUESTIONS:  
(1) WHAT IS THE DIFFERENCE BETWEEN TWO GROUPS  
OF TEENAGERS IN TERMS OF CD INFORMATION AND  
ATTITUDES, WHERE ONE GROUP HAS BEEN EXPOSED TO AN  
INTENSIVE IN-SCHOOL CIVIL DEFENSE PROGRAM, AND  
(2) WHAT DIFFERENCES IN INFORMATION AND  
ATTITUDES EXIST BETWEEN YOUNGER AND OLDER TEENAGERS  
(14 VS. 17-YEAR-OLDS). THE PRINCIPAL POSITIVE  
EFFECTS OF THE SCHOOL CIVIL DEFENSE PROGRAM WERE IN  
TERMS OF INFORMATIONAL AND COMMUNICATION BEHAVIORS.  
THE YOUNG PEOPLE WERE BETTER INFORMED, USED MORE  
AND DIFFERENT SOURCES OF INFORMATION, TALKED MORE  
ABOUT CD AND SHELTERS, AMONG OTHER BEHAVIORS. TO  
THE EXTENT THAT AGE MAKES A DIFFERENCE, IT APPEARS TO  
MANIFEST ITSELF IN SOMEWHAT LESS FAVORABLE CD  
ATTITUDES. THE YOUNGSTERS WHO HAD BEEN EXPOSED TO  
A SYSTEMATIC PROGRAM OF INFORMATION THOUGHT MORE  
FAVORABLY ABOUT CIVIL DEFENSE ALONG SEVERAL  
DIMENSIONS. THEY RATED CIVIL DEFENSE AS WISER,  
MORE IMPORTANT, MORE INTERESTING, BOLDER, SAFER, AND  
MORE EXPENSIVE, THAN DID THE OTHER TEENAGERS.  
THEIR JUDGMENTS WERE MORE INTENSE. NONE OF THESE  
JUDGMENTS WERE NEGATIVE ONES. IT WAS THAT THE  
GROUP WITH MORE INFORMATION WAS RELATIVELY MORE  
FAVORABLE IN ITS ASSESSMENT OF CD AS A TOPIC.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-681 273 15/3 12/2  
RESEARCH TRIANGLE INST DURHAM N C OPERATIONS RESEARCH AND  
ECONOMICS DIV

CIVIL DEFENSE OPERATING SYSTEM SYNTHESIS:  
COUNTERMEASURES MODEL.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
OCT 68 69P HENDRY, ROBERT N. ;  
REPT. NO. RTI-R-OU-371-1

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, SYSTEMS  
ENGINEERING), MATHEMATICAL MODELS,  
COUNTERMEASURES, MISSION PROFILES, FLOW CHARTING,  
MANAGEMENT PLANNING, MANAGEMENT CONTROL SYSTEMS,  
COSTS

(U)

SYNTHESIS OF A COMPATIBLE LOCAL CIVIL DEFENSE  
SYSTEM INVOLVES A DEFINITION OF THE MISSIONS,  
OPERATIONS, COMPONENTS, ORGANIZATION, PERFORMANCE  
CHARACTERISTICS, AND BENEFITS (OUTPUTS) TO AN  
APPROPRIATE LEVEL OF DETAIL. THE SYNTHESIZED  
STRUCTURE IS DESIGNED TO SOLVE IN A DYNAMIC WAY AN  
ALLOCATION PROBLEM INVOLVING RESOURCE CONSUMPTION AND  
DEPLOYMENT STRATEGIES. THE BASIC COUNTERMEASURES  
MODEL CONCEPT IS DESCRIBED SHOWING ITS RELATIONSHIP  
TO THE TARGET'S UNIT AREAS AND THE PROBLEM-SOLVING  
DEMANDS OCCURRING WITHIN THEM. MEASURES OF  
COUNTERMEASURE BENEFITS ARE INDICATED AS OUTPUTS FROM  
THE MODEL. BENEFITS ARE VIEWED AS THE GAIN  
MEASURED BY THE DIFFERENCE BETWEEN RESOURCE LOSSES  
RESULTING FROM COMPETING COUNTERMEASURES. SYSTEM  
OPERATING CYCLES, INFORMATION FLOW, AND THE GENERAL  
COUNTERMEASURE MODEL ANALYTICAL PROCESS ARE DESCRIBED  
BRIEFLY TO CLARIFY THIS APPROACH TO SYSTEM  
EVALUATION. LOCAL AND NATIONAL MODEL  
INTERRELATIONSHIPS ARE IDENTIFIED IN ORDER TO INSURE  
COMPATIBILITY WITH NATIONAL MODEL DEVELOPMENT  
STUDIES. (AUTHOR)

(U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-684 936 15/3 6/8  
STANFORD RESEARCH INST MENLO PARK CALIF

NEW RATION CONCEPTS.

(U)

DESCRIPTIVE NOTE: FINAL REPT. 15 MAR 68-1 FEB 69,  
FEB 69 36P TATE, J. NORMAN, JR.;  
MATHEWS, RICHARD D.; STONE, HERBERT I  
CONTRACT: DAHC20-67-C-0136  
PROJ: SRI-6300-150

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*FOOD),  
COSTS, PROTEINS, AMINO ACIDS, VITAMINS,  
STORAGE, ACCEPTABILITY  
IDENTIFIERS: \*RATIONS

(U)

(U)

A RATION FOR USE IN THE OFFICE OF CIVIL  
DEFENSE RATION PROGRAM WAS DEVELOPED. THE  
PRODUCT WAS FORMULATED FROM WHOLE WHEAT FLOUR,  
CASHEW, BAKING POWDER, SODIUM CHLORIDE, SUCROSE, FAT,  
YEAST, WATER, AND SMALL AMOUNTS OF OTHER INGREDIENTS.  
A DAILY PORTION CONTAINED 900 CALORIES AND 18.58  
PROTEIN, AND MET ALL THE REQUIREMENTS FOR THE  
ESSENTIAL AMINO ACIDS. THE COST OF THE PRODUCT WAS  
ESTIMATED TO BE APPROXIMATELY 11 CENTS PER MAN-DAY.  
PRELIMINARY RAT NUTRITION STUDIES WERE  
CONDUCTED.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-685 881 5/11 15/3 5/1  
HUMAN SCIENCES RESEARCH INC MCLEAN VA

INDICATORS OF SOCIAL VULNERABILITY; SOCIAL  
INDICATORS IN CIVIL DEFENSE PLANNING AND  
EVALUATION.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
AUG 68 324P VERTERMARK, S. D., JR;  
GREER, SCOTT; KORNHAUSER, WILLIAM; SWEEN, JOYCE;  
WINCH, ROBERT;  
REPT. NO. HSR-RR-68/12-BE  
CONTRACT: DAHC20-67-C-0136

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS; MANAGEMENT  
PLANNING), (\*MANAGEMENT PLANNING, SOCIOMETRICS),  
SOCIAL PSYCHOLOGY, VULNERABILITY, ATTITUDES,  
GROUP DYNAMICS, ORGANIZATIONS, LAW, POPULATION,  
MANAGEMENT PLANNING, CHILDREN, NUCLEAR WARFARE  
IDENTIFIERS: POST ATTACK PLANNING, CIVIL  
DISOBEDIENCE, SOCIAL EFFECTS INDICATORS

(U)

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THE PURPOSE OF THIS REPORT IS TO PROPOSE AND  
OUTLINE SOME NEW ANALYTIC TOOLS FOR APPLYING SOCIAL  
INFORMATION TO SYSTEMS PLANNING AND SYSTEMS  
EVALUATION IN CIVIL DEFENSE. AS ONE OF A SERIES OF  
RELATED REPORTS ON THE SOCIAL DIMENSIONS OF CIVIL  
DEFENSE SYSTEMS ANALYSIS, THIS REPORT BUILDS ON MORE  
GENERAL WORK WHICH HAS BEEN REPORTED AT EARLIER  
TIMES. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-686 303 15/3 5/10 5/11  
MICHIGAN STATE UNIV EAST LANSING DEPT OF  
COMMUNICATION

CORRELATES OF YOUNG AMERICANS' BELIEFS AND  
KNOWLEDGE ABOUT CIVIL DEFENSE,

(U)

OCT 68 SIP GREENBERG, BRADLEY S. ;  
DOMINICK, JOSEPH R. ;  
REPT. NO. 2, BG-5  
CONTRACT: DAHC20-67-C-0119

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-670 986.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*PUBLIC  
OPINION), ATTITUDES, ADOLESCENTS, STUDENTS,  
SOCIAL COMMUNICATION, FALLOUT SHELTERS, COSTS,  
DECISION MAKING, MOTIVATION, QUESTIONNAIRES

(U)

THIS STUDY EXAMINED CERTAIN COMMUNICATION BEHAVIORS  
AND ATTITUDINAL BEHAVIORS OF TEEN-AGERS AND THEIR  
CONCEPTIONS OF CIVIL DEFENSE AND FALLOUT SHELTERS.  
THREE ASPECTS OF COMMUNICATION ACTIVITY WERE  
EXAMINED--NUMBER OF SOURCES FOR CIVIL DEFENSE  
INFORMATION, COMMUNICATED INTEREST IN CIVIL DEFENSE  
AND KNOWLEDGE ABOUT CIVIL DEFENSE. TWO OF THE  
ABOVE BEHAVIORS--USING MANY SOURCES OF CD  
INFORMATION AND MUCH COMMUNICATED INTEREST IN CD--  
WERE HIGHLY INTERCORRELATED. BOTH WERE ALSO  
ASSOCIATED WITH MORE MASS MEDIA USE, FREQUENT FAMILY  
INTERACTION, AND MORE SCHOOL CD ACTIVITIES. THEY  
WERE ALSO ASSOCIATED WITH POSITIVE ATTITUDES TOWARD  
CD. KNOWLEDGE ABOUT CD COULD NOT BE WELL  
EXPLAINED BY THE VARIABLES IN THE PRESENT STUDY.  
WITH REGARD TO THE TEEN-AGERS' ATTITUDES TOWARD  
CIVIL DEFENSE AND FALLOUT SHELTERS, THE TWO CRITICAL  
ATTITUDINAL AREAS WERE THE INDIVIDUAL'S GENERAL  
EVALUATION OF SHELTERS AND THE ATTITUDES HE PERCEIVED  
HIS PARENTS TO HAVE. EACH OF THREE SPECIFIC  
ASPECTS OF SHELTER ATTITUDES--PROTECTION, CONDITIONS  
INSIDE, AND COSTS--WAS STRONGLY INTER-RELATED WITH  
BOTH THE TEEN-AGER'S OWN EVALUATION AND HIS  
PERCEPTION OF HIS PARENT'S ATTITUDES. (AUTHOR)

(U)



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UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-687 296 15/J 5/11  
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

AMERICANS' PERCEPTIONS OF THE INTERNATIONAL AND  
CIVIL DEFENSE ENVIRONMENTS: 1968.

(U)

DESCRIPTIVE NOTE: SUMMARY REPT.,  
SEP 68 SUP MAST, ROBERT H. LAULICHT,  
JEROME KNESTRICK, ROY VIETTHALER, ERICH  
GLUCKMAN, BARBARA  
CONTRACT: DAHC20-67-C-0122, NSF-611309

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON AMERICANS' VIEWS ABOUT  
CIVIL DEFENSE ISSUES.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, PUBLIC  
OPINION), ATTITUDES, PATTERN RECOGNITION, THREAT  
EVALUATION, COMMUNISM, WARFARE, GUIDED MISSILES,  
DISARMAMENT, PROBLEM SOLVING, PREDICTIONS,  
BUDGETS, EFFECTIVENESS, REVIEWS  
IDENTIFIERS: INTERNATIONAL RELATIONS

(U)

(U)

THE REPORT EXAMINES ORIENTATIONS OF THE AMERICAN  
PUBLIC ON ISSUES RELEVANT TO THE INTERNATIONAL AND  
CIVIL DEFENSE ENVIRONMENTS IN THE SUMMER OF 1968.  
THE DATA WERE OBTAINED FROM A NATIONAL SURVEY OF  
APPROXIMATELY 1500 RESPONDENTS. WHERE POSSIBLE,  
FINDINGS FROM PAST SIMILAR SURVEYS WERE COMPARED WITH  
THE 1968 DATA. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY    SEARCH CONTROL NO: /ZMML7

AD-687 297            15/3  
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

CITIES AND CIVIL DEFENSE: AN ECOLOGICAL APPROACH TO  
THE ANALYSIS OF CIVIL DEFENSE DATA. (U)

DESCRIPTIVE NOTE: SUMMARY REPT.,  
SEP 68    69P    MYERS, HOWARD P. ;  
CONTRACT: DAMC20-67-C-0122

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON AMERICANS' VIEWS ABOUT  
CIVIL DEFENSE ISSUES.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*PUBLIC  
OPINION), STATISTICAL ANALYSIS, URBAN AREAS,  
FALLOUT SHELTERS, SURVIVAL,  
REACTION (PSYCHOLOGY), ECOLOGY, ATTITUDES,  
POPULATION (U)

IN A STUDY IN WHICH ECOLOGICAL AND CIVIL DEFENSE  
VARIABLES ARE CROSS-TABULATED, IT IS FOUND THAT  
POPULATIONS OF CITIES THAT ARE RELATIVELY UNSTABLE,  
MOBILE, AND IMMATURE ARE LIKELY TO DISPLAY A  
POTENTIAL FOR CIVIL DEFENSE ACTION, FAVORABLE  
EVALUATION OF FALLOUT SHELTERS IN PARTICULAR AND  
CIVIL DEFENSE IN GENERAL, PERCEPTION OF LOCAL DANGER  
AND CHANCES OF SURVIVAL, AND A MARKED LEANING TOWARD  
CIVIL DEFENSE WHEN RELATED ISSUES IN THE BROADER  
CONTEXT OF NATIONAL AND INTERNATIONAL AFFAIRS ARE  
CONSIDERED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-687 381 15/3 5/11  
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

CIVIL DEFENSE FAVORABILITY; A CRITICAL  
ANALYSIS.

(U)

DESCRIPTIVE NOTE: SUMMARY REPT.,  
JUL 68 46P MYERS, HOWARD P. ;  
CONTRACT: DAMC20-67-C-0122, NSF-G11309

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, PUBLIC  
OPINION), STATISTICAL ANALYSIS, PROTECTION,  
NUCLEAR EXPLOSIONS, FALLOUT SHELTERS, SOCIOLOGY,  
ATTITUDES

(U)

BY LOCATING PEOPLE IN TERMS OF A DISTINCTION  
BETWEEN CIVIL DEFENSE FAVORABILITY AS A SOCIAL  
PRESCRIPTION AND CIVIL DEFENSE FAVORABILITY AS A  
SOCIAL ISSUE, IT WAS POSSIBLE TO SPECIFY TENDENCIES  
IN TERMS OF THE VARIABLES THAT WERE THE FOCUS OF THIS  
ANALYSIS. HIGHLY INFORMED PEOPLE WHO DISAGREED  
THAT THE POWERS OF THE FEDERAL GOVERNMENT ARE  
EXCESSIVE SHOWED TENDENCIES TO OBSERVE SOCIAL  
PRESCRIPTIONS (TOOK PROTECTIVE STEPS IN THE CASE OF  
NUCLEAR ATTACK) AND TO SUPPORT SOCIAL ISSUES  
(FAVORED THE BUILDING OF FALLOUT SHELTERS).  
LOWLY INFORMED PEOPLE WHO AGREED THAT THE POWERS  
ARE EXCESSIVE SHOWED JUST THE OPPOSITE TENDENCIES.  
PEOPLE WHO WERE HIGHLY INFORMED BUT WHO AGREED AND  
PEOPLE WHO WERE LOWLY INFORMED BUT WHO DISAGREED  
SHOWED MIXED TENDENCIES. FOR THE LATTER, SUPPORT  
FOR SHELTER BUILDING WAS LARGELY A CONVENTIONALIZED  
RESPONSE. FOR THE FORMER, OPPOSITION WAS NOT A  
REFLECTION OF DEFIANCE TOWARDS A PARTICULAR SOCIAL  
INSTITUTION. IT WAS THE ARTICULATION OF A POSITION  
IN WHICH A CERTAIN CONTROVERSY WAS PERCEIVED.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-689 462 15/3  
SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF

INTRA EOC SYSTEMS ANALYSIS.

(U)

DESCRIPTIVE NOTE: TECHNICAL MEMO.,  
MAY 69 78P GAYDOS, HENRY F. ;  
REPT. NO. SDC-TM-L-4202/001/00

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH  
STANFORD RESEARCH INST., MENLO PARK, CALIF.

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS, OPERATIONAL  
READINESS), ANALYSIS, MANAGEMENT ENGINEERING,

COMMUNICATION SYSTEMS, SYSTEMS ENGINEERING

(U)

IDENTIFIERS: •EMERGENCY OPERATIONS CENTERS

(U)

THE SIGNIFICANT FACTORS INVOLVED IN EXPEDITING THE  
FLOW OF INFORMATION THROUGH A CIVIL DEFENSE  
EMERGENCY OPERATIONS CENTER, AND THEIR  
IMPLICATIONS FOR ANALYSIS AND RESOLUTION OF PROBLEM  
AREAS ARE PRESENTED AND DISCUSSED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-691 134 15/3 15/6  
STANFORD RESEARCH INST MENLO PARK CALIF

EVALUATION OF CIVIL DEFENSE OPERATIONAL  
CONCEPTS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
NOV 68 SIP LAURINO, RICHARD ; KAMRADT, C.  
ALEXANDER ;  
CONTRACT: DAHC20-67-C-0116  
PROJ: SRI-MU-6250-U20

UNCLASSIFIED REPORT

DESCRIPTORS: (\*NUCLEAR WARFARE, CIVIL DEFENSE  
SYSTEMS), (\*CIVIL DEFENSE SYSTEMS,  
\*COUNTERMEASURES), DAMAGE ASSESSMENT, NUCLEAR  
EXPLOSION DAMAGE, FIRES, EXPLOSION EFFECTS,  
VULNERABILITY, RADIATION HAZARDS, NUCLEAR WARFARE  
CASUALTIES, FALLOUT SHELTERS, AIRBURST, SURFACE  
BURST, RADIOACTIVE FALLOUT, DOSE RATE, STATISTICAL  
DATA, CIVIL DEFENSE PERSONNEL  
IDENTIFIERS: BOS(BASIC OPERATING SITUATIONS),  
BASIC OPERATING SITUATIONS

(U)

(U)

THE CONCEPTS OF CIVIL DEFENSE OPERATIONAL PLANNING  
FOR THE TRANSATTACK PERIOD ON THE BASIS OF EXPECTED  
OPERATIONAL SITUATIONS OR CONTINGENCIES ARE REVIEWED.  
NINE SITUATIONS BASED ON COMBINATIONS OF SELECTED  
LEVELS OF FALLOUT INTENSITIES AND WEAPON-CAUSED FIRES  
ARE CONSIDERED, INCLUDING ONE SITUATION INVOLVING NO  
WEAPONS EFFECTS. THE REQUIRED EMERGENCY OPERATIONS  
ATTENDANT TO EACH SITUATION ARE IDENTIFIED. THE  
GEOGRAPHICAL AREA FOR WHICH OPERATIONAL CONTINGENCY  
PLANS WOULD BE DEVELOPED WOULD BE SUCH THAT THE  
OPERATIONAL SITUATION WOULD BE THE SAME THROUGHOUT  
THE AREA. ACCORDINGLY, STATISTICAL MEASURES WERE  
DEVELOPED AS THE BASIS FOR SELECTION OF THE UNIT  
AREAS WHICH SHOW THE FALLOUT INTENSITY GRADIENTS AS A  
FUNCTION OF A RANGE OF WEAPON YIELDS AND PROBABLE  
WIND CONDITIONS, EXPECTED THERMAL IGNITION RANGES,  
AND OVERPRESSURE SCALING FUNCTIONS. (AUTHOR),

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-692 876 5/3 15/3  
INSTITUTE FOR DEFENSE ANALYSES ARLINGTON VA PROGRAM  
ANALYSIS DIV

ECONOMIC STRUCTURE OF THE UNITED STATES USING THE  
COUNTY AS A FUNCTIONAL BASE. (U)

DESCRIPTIVE NOTE: RESEARCH PAPER,  
APR 69 168P SACHS, ABNER ; TIMMERMAN, JUDITH A. ;  
REPT. NO. RP-P-511  
CONTRACT: OCD-PS-66-113  
MONITOR: IDA/HQ 69-10145

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, RECOVERY),  
(\*ECONOMICS, \*UNITED STATES), MOBILIZATION,  
PASSIVE DEFENSE, TABLES, ANALYSIS, POPULATION,  
INDUSTRIES, COMMERCE, AGRICULTURE, MINERALS,  
MONEY, CARGO, DAMS, IRON INDUSTRY, STEEL  
INDUSTRY, PETROLEUM INDUSTRY, ELECTRIC POWER  
PRODUCTION (U)  
IDENTIFIERS: \*ECONOMIC GEOGRAPHY, \*REGIONAL  
PLANNING, ZIP MARKETING AREAS, RESOURCES,  
NATURAL GAS, LIVESTOCK (U)

THE PAPER PRESENTS POPULATION AND OTHER SELECTED  
RESOURCE DATA USING THE COUNTY AS THE BASIC  
GEOGRAPHIC UNIT. THE ECONOMIC MEASURES WERE CHOSEN  
WITH CIVIL DEFENSE PLANNING IN MIND. THEY INCLUDE,  
AMONG OTHERS: VALUE ADDED BY MANUFACTURE, NUMBER  
OF MANUFACTURING ESTABLISHMENTS, IRON AND STEEL  
MILLS, PETROLEUM REFINERIES, ELECTRIC GENERATING  
STATIONS, EMPLOYMENT, RETAIL TRADE SALES, FOOD SALES,  
WHOLESALE TRADE SALES, AGRICULTURAL ACREAGE, VALUE OF  
CROPS AND LIVESTOCK SOLD, AND VALUE OF MINERAL  
SHIPMENTS. THESE DATA, ARRAYED BY COUNTY, ARE  
COMPARED TO POPULATION BASES CONSISTING OF THE  
COUNTIES CONTAINING THE FIRST 20 TO 60 PERCENT OF THE  
TOTAL US POPULATION. THE COUNTIES INCLUDED IN  
THESE POPULATION PERCENTAGES ARE DESIGNATED AND  
ANALYZED AS 'CORE' COUNTIES AND THE COUNTIES  
CONTIGUOUS TO THEM ARE ALSO SEPARATED OUT FOR  
INVESTIGATION. THIS 'CORE' AND 'CONTIGUOUS' COUNTY  
ARRANGEMENT LED TO A STRUCTURING OF ECONOMIC REGIONS  
AS A PROPER FRAME FOR CIVIL DEFENSE RECOVERY  
OPERATIONS. 'ZIP MARKETING AREAS' WERE FOUND  
TO BE THE MOST USEFUL DESIGN FOR ECONOMIC REGIONS.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-695 641 5/3 15/3  
STANFORD RESEARCH INST MENLO PARK CALIF

REQUIREMENTS FOR COMPARATIVE EVALUATION OF  
COUNTERMEASURES TO POSSIBLE POSTATTACK FISCAL  
PROBLEMS. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
APR 69 48P DRESCH, FRANCIS H. ;  
CONTRACT: DAMC20-47-C-0016  
PROJ: SR1-6250-054, OCD-3531E

UNCLASSIFIED REPORT

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, ECONOMICS),  
(NUCLEAR EXPLOSION DAMAGE, COUNTERMEASURES),  
MATHEMATICAL MODELS, MONEY, CONTROL, PRODUCTION,  
LABOR, MANAGEMENT PLANNING, CIVIL DEFENSE  
SYSTEMS (U)

IN THE COURSE OF RESEARCH ON TOTAL VULNERABILITY, A  
QUANTITATIVE MODEL HAS BEEN DEVELOPED FOR USE IN  
DESCRIBING FINANCIAL AND OTHER INSTITUTIONAL SYSTEMS  
RELATED TO THE ECONOMY AS A WHOLE. THE REPORT  
DISCUSSES SELECTED APPLICATIONS OF THE PROTOTYPE  
MODEL TO POSTATTACK PLANNING AND CONSIDERS THE  
FEASIBILITY OF EXTENDING IT TO FACILITATE ITS USE FOR  
SUCH APPLICATIONS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-696 135 15/3  
URS RESEARCH CO BURLINGAME CALIF

CIVIL DEFENSE OPERATIONAL CONCEPTS, (U)

MAY 69 120P MILLER, CARL F. I  
REPT. NO. URS-757-1  
CONTRACT: DAHC2C-69-C-0142  
PROJ: OCD-3119A

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*MANAGEMENT  
PLANNING), (\*NUCLEAR WARFARE, PASSIVE DEFENSE),  
NUCLEAR EXPLOSIONS, SYSTEMS ENGINEERING, HAZARDS,  
SHELTERS, RADIOACTIVE FALLOUT, DAMAGE ASSESSMENT,  
SURVIVAL, RADIATION EFFECTS, MORTALITY RATES,  
CASUALTIES, DEBRIS, FIRES, BLAST, VEHICLES (U)  
IDENTIFIERS: \*OPERATIONAL CONCEPTS (U)

RELATIONSHIPS AMONG NUCLEAR WEAPONS EFFECTS AND  
CIVIL DEFENSE OPERATIONAL SYSTEM VARIABLES ARE  
SUMMARIZED AND USED AS A BASIS FOR DERIVING CIVIL  
DEFENSE OPERATIONAL CONCEPTS. CLASSIFICATION OF  
HAZARD CONDITIONS, AND SYSTEMS OF STANDARD OPERATION  
ROUTINES, CENTERED ON PROTECTIVE SHELTER AND ON  
OPERATIONS FROM THE SHELTER, NINE GENERAL CLASSES OF  
BASIC HAZARD CONDITIONS (BHC) FOR WHICH DIFFERENT  
OPTIONS OF STANDARD OPERATING ROUTINES (SOR'S)  
WOULD BE REQUIRED ARE SUGGESTED. THE NINE CLASSES  
ARE COMBINATIONS OF THREE POSSIBLE LEVELS OF FALLOUT  
HAZARDS AND THREE POSSIBLE LEVELS OF PHYSICAL DAMAGE  
FOR AN AREA. (AUTHOR) (U)



UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY    SEARCH CONTROL NO. /ZMML7

AD-697 180            15/3        14/1  
WESTINGHOUSE ELECTRIC CORP WALTHAM MASS ADVANCED STUDIES  
GROUP

COST-EFFECTIVENESS MEASUREMENT OF CIVIL DEFENSE  
SYSTEMS. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
OCT 69        89P        SINGER, ARNOLD ; RICHARDSON, R.  
P. 1  
REPT. NO. W-4291  
CONTRACT: DAHC20-68-C-0162  
PROJ: OCD-4115C

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, COST  
EFFECTIVENESS), SYSTEMS ENGINEERING, STATISTICAL  
ANALYSIS, DECISION MAKING, MISSION PROFILES (U)

THE PROBLEM OF MEASURING THE EFFECTIVENESS OF THE  
TOTAL CIVIL DEFENSE SYSTEM IS ADDRESSED IN THE STUDY,  
WITH THE EMPHASIS AND PRIMARY CONCERN BEING THE  
DEVELOPMENT AND METHODS OF APPLICATION OF CRITERIA  
MEASURES FOR SYSTEM EVALUATION. THE REPORT  
PRESENTS AND DISCUSSES CRITERIA THAT SHOULD BE USED  
IN ESTABLISHING EVALUATION MEASURES; PROBLEMS THAT  
ARE ENCOUNTERED WHEN MEASURES OF PERFORMANCE AND  
EFFECTIVENESS ARE USED FOR SYSTEM AND SUBSYSTEM  
EVALUATIONS, AND METHODS OF DEALING WITH THESE  
PROBLEMS; AND SOME MEASURES OF COST, PERFORMANCE, AND  
EFFECTIVENESS RELEVANT TO CD SYSTEMS EVALUATION.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-704 366 15/3 5/1  
RESEARCH TRIANGLE INST DURHAM N C OPERATIONS RESEARCH AND  
ECONOMICS DIV

DEFINITION OF LOCAL OPERATING AREAS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
MAR 70 87P TRUSTMAN, S. I  
REPT. NO. RTI-OU-427-2  
CONTRACT: DAMC20-69-C-0107  
PROJ: OGD-43168

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS; \*MANAGEMENT  
PLANNING); THREAT EVALUATION, URBAN AREAS, RURAL  
AREAS, DATA PROCESSING SYSTEMS, POPULATION,  
VULNERABILITY, STANDARDS, PERSONNEL

(U)

THE OBJECTIVES OF THIS INVESTIGATION WERE  
THREEFOLD: THE INVESTIGATION AND ANALYSIS OF  
PATTERNS OF GEOGRAPHICAL SUBDIVISIONS OF LOCALITIES  
IN TERMS OF THEIR USABILITY AND DESIRABILITY FOR THE  
PURPOSES OF EVALUATING LOCAL TOTAL CIVIL DEFENSE  
SYSTEMS; THE DETERMINATION OF DATA TO BE COLLECTED TO  
DESCRIBE EACH OF THE GEOGRAPHICAL SUBDIVISIONS IN  
TERMS SUITABLE FOR THE EVALUATION OF LOCAL CIVIL  
DEFENSE SYSTEMS; AND THE DEVELOPMENT OF PROCEDURES TO  
ESTIMATE THE VULNERABILITY OF THE PEOPLE,  
INSTITUTIONS AND RESOURCES OF THE GEOGRAPHIC  
SUBDIVISIONS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-705 500 15/3 5/1  
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

CIVIL DEFENSE SYSTEMS: SOCIAL IMPACT AND MANAGEMENT  
PLANNING. VOLUME I. (U)

DESCRIPTIVE NOTE: REPORT BIBLIOGRAPHY AUG 60-OCT 69.  
MAY 70 157P  
REPT. NO. DDC-TAS-70-45-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO VOLUME 2: AD-868 900.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS,  
BIBLIOGRAPHIES), (\*MANAGEMENT PLANNING, CIVIL  
DEFENSE SYSTEMS), MANAGEMENT PLANNING, ATTITUDES,  
PUBLIC OPINION, MANPOWER, ECONOMICS, TRAINING,  
RADIOACTIVE FALLOUT, SHELTERS, CIVIL DEFENSE  
PERSONNEL (U)

THIS BIBLIOGRAPHY IS VOLUME I OF A TWO-VOLUME  
SET OF REFERENCES ON CIVIL DEFENSE SYSTEMS:  
SOCIAL IMPACT AND MANAGEMENT PLANNING.  
DOCUMENTS CONTAINED IN THIS VOLUME PERTAIN TO  
MANAGEMENT TRAINING, PUBLIC OPINION, SOCIAL IMPACT,  
AND PSYCHOLOGICAL EFFECTS. COMPUTER-GENERATED  
INDEXES OF CORPORATE AUTHOR-MONITORING  
AGENCY, SUBJECT, AND CONTRACT ARE PROVIDED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-710 302 15/6 5/11  
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

THE PERCEPTION OF LOCAL SURVIVAL CHANCES: AN  
EXPLORATORY EXPLANATION,

(U)

MAR 70 50P MAST, ROBERT H. ;  
CONTRACT: DAHC20-67-C-0122, NSF-G11309

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORTS ON AMERICANS' VIEWS ABOUT  
CIVIL DEFENSE ISSUES.

DESCRIPTORS: (•NUCLEAR WARFARE, SURVIVAL),  
(•ATTITUDES, NUCLEAR WARFARE), CIVIL DEFENSE  
SYSTEMS, DISARMAMENT, SHELTERS, QUESTIONNAIRES

(U)

THE REPORT EXAMINES THE IMPACT OF A COMBINATION OF  
ATTITUDES, BEHAVIORS, AND SOCIAL CHARACTERISTICS ON  
PEOPLE'S PERCEPTIONS OF HOW MANY PEOPLE IN THEIR  
LOCALITY WOULD SURVIVE A NUCLEAR WAR. ATTITUDES  
ABOUT CIVIL DEFENSE ISSUES AND THE INTERNATIONAL  
CONTEXT WERE FOUND TO BE THE BEST PREDICTORS OF THE  
ESTIMATES OF SURVIVAL. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-711 056 15/3 5/11  
STANFORD RESEARCH INST MENLO PARK CALIF

FAMILY FINANCE AS A CONSTRAINT ON CIVIL DEFENSE  
SYSTEMS. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
APR 70 63P DRESCH, FRANCIS N. I  
CONTRACT: DAHC20-69-C-0295  
NOJ: SRJ-MU-8020, OCD-4153A

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, ECONOMICS),  
EMPLOYMENT, WAGES, TRANSPORTATION, RECORDS,  
COMMUNICATION SYSTEMS, SURVIVAL (U)  
IDENTIFIERS: \*BANKING SERVICES (U)

THE OBJECTIVES OF THE STUDY WERE TO IDENTIFY  
POSSIBLE CONSTRAINTS ON CIVIL DEFENSE SYSTEMS THAT  
MIGHT ARISE BECAUSE OF FINANCIAL CONCERNS OF  
INDIVIDUAL HOUSEHOLDERS AND TO ASSESS CONCEIVABLE  
COUNTERMEASURES TO THE CONSTRAINTS IDENTIFIED. THE  
HOUSEHOLDER FINANCIAL CONCERNS OF RELEVANCE WERE  
FOUND TO BE THOSE ASSOCIATED WITH CONTINUITY OF  
EMPLOYMENT AND WAGES, ADEQUATE TRANSPORTATION FOR  
COMMUTING AND SHOPPING, ADEQUATE BANKING AND CHECK  
CLEARING SERVICES, AVAILABILITY OF CREDIT, AND  
SURVIVAL OF FINANCIAL RECORDS. THE CIVIL DEFENSE  
SYSTEMS CONCEIVABLY AFFECTED BY HOUSEHOLDER FINANCIAL  
CONCERNS WERE EVACUATION AND RELOCATION, EMERGENCY  
LOCAL TRANSPORTATION, BANKING SERVICES, PROTECTION OF  
FINANCIAL RECORDS, COMMUNICATIONS, AND POLICIES AND  
CONTROLS FOR FINANCIAL INSTITUTIONS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-711 118 15/3 5/11  
PITTSBURGH UNIV PA DEPT OF SOCIOLOGY

THE PUBLIC'S PERCEPTION OF LOCAL CIVILIAN DEFENSE  
EFFORTS AND FACILITIES, (U)

MAR 70 41P COHEN, PEARL B. I  
CONTRACT: DAHC20-67-C-0122  
PROJ: OCD-4812B

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ONE IN A SERIES OF REPORTS ON  
AMERICAN'S VIEWS ABOUT CIVIL DEFENSE ISSUES.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*PUBLIC  
OPINION), QUESTIONNAIRES, REVIEWS, FALLOUT  
SHELTERS, NUCLEAR WARFARE (U)

AN OVERWHELMING MAJORITY OF AMERICANS INDICATED  
IN JUNE 1968 THAT THE COUNTRY WOULD NOT BE ENGAGED  
IN A NUCLEAR WAR WITHIN THE NEXT FIVE YEARS. THE  
HIGHER THE SOCIO-ECONOMIC CLASS, THE MORE OPTIMISM  
PREVAILED. CONSEQUENTLY PUBLIC INTEREST IN CIVIL  
DEFENSE AND RELEVANT INDIVIDUAL ACTIVITY WAS LOW.  
ALTHOUGH PEOPLE WERE MORE CERTAIN OF WHERE SHELTER  
WOULD BE SOUGHT IF A NUCLEAR ATTACK OCCURRED WHILE AT  
WORK RATHER THAN AT HOME, FEW PEOPLE HAD GIVEN THE  
MATTER SERIOUS THOUGHT. MOST CITIZENS KNEW NOTHING  
OF WHAT WAS BEING ACCOMPLISHED BY CIVIL DEFENSE  
OFFICERS ON THE LOCAL LEVEL. PEOPLE APPEARED  
UNCONCERNED AND REFUSED GENERALLY TO EVALUATE LOCAL  
CIVIL DEFENSE PROGRAMS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-712 314 15/3  
STANFORD RESEARCH INST MENLO PARK CALIF

THE USE OF SYSTEMS TECHNIQUES IN CIVIL  
DEFENSE.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
MAY 70 186P DEVAHEY, JOHN F. I  
CONTRACT: DAHC20-67-C-0136  
PROJ: GCD-2313A

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH URS  
RESEARCH CO., SAN MATEO, CALIF., REPT. NO. URS-  
691.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, \*SYSTEMS  
ENGINEERING), RESEARCH PROGRAM ADMINISTRATION,  
STATE-OF-THE-ART REVIEWS, TRAINING, BUDGETS,  
UNITED STATES GOVERNMENT, SHELTERS, COST  
EFFECTIVENESS

(U)

IDENTIFIERS: EVALUATION

(U)

CIVIL DEFENSE HAS THE ATTRIBUTES OF A SYSTEM AND  
THE TECHNIQUES OF SYSTEMS EVALUATION HAVE BEEN  
APPLIED IN THE DEVELOPMENT OF POLICY AND PROGRAMS  
SINCE THE MIDDLE 1950'S. ADVANCES HAVE BEEN MADE  
IN THE STATE-OF-THE-ART OF CIVIL DEFENSE AND OF  
SYSTEMS EVALUATION. APPLICATION OF SYSTEMS  
EVALUATION TECHNIQUES TO CIVIL DEFENSE IS REVIEWED.  
A MODIFIED ANALYTIC FRAMEWORK IS PRESENTED WITH  
DEFINITIONS, GRAPHIC AIDS, AND A QUALITATIVE  
DEMONSTRATION OF THE METHOD AND OF ITS APPLICATION TO  
OTHER ACTIVITIES SUCH AS: OPERATIONAL PLANNING,  
ORGANIZATION, TRAINING, AND SO ON. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-714 991 13/12 5/11 15/3  
OHIO STATE UNIV COLUMBUS DISASTER RESEARCH CENTER

THE WARNING SYSTEM IN DISASTER  
SITUATIONS: A SELECTIVE ANALYSIS.

(U)

DESCRIPTIVE NOTE: RESEARCH REPT.,  
JUL 70 78P MCLUCKIE, BENJAMIN F. I  
REPT. NO. DRC-SER-9  
CONTRACT: UCD-PS-64-46

UNCLASSIFIED REPORT

DESCRIPTORS: (•DISASTERS, •WARNING SYSTEMS),  
CIVIL DEFENSE SYSTEMS, SOCIAL PSYCHOLOGY,  
REACTION(PSYCHOLOGY); FACTOR ANALYSIS,  
CLASSIFICATION, STATISTICAL DATA, TIME,  
MANAGEMENT PLANNING, DAMAGE, CONTROL SYSTEMS,  
THREAT EVALUATION, DECISION MAKING, DATA  
PROCESSING SYSTEMS, COMMUNICATION SYSTEMS, NUCLEAR  
EXPLOSIONS

(U)

IN MANY WAYS WARNING CAN BE THE MOST IMPORTANT  
PHASE OF THE DISASTER RESPONSE. WARNING IS THOUGHT  
OF NOT JUST IN TERMS OF MECHANICAL DEVICES BUT IN  
TERMS OF PSYCHOLOGICAL AND SOCIOLOGICAL STRUCTURES  
AND PROCESSES. WARNING IS NOT ONLY ADVANCE  
NOTIFICATION OF THE EXISTENCE OF DANGER BUT ALSO  
INFORMATION ABOUT WHAT CAN BE DONE TO PREVENT, AVOID,  
OR MINIMIZE THE DANGER. THE CHARACTERISTICS OF THE  
DISASTER AGENT -- FREQUENCY, SPEED OF ONSET, SCOPE OF  
IMPACT, DESTRUCTIVE POTENTIAL, ETC. -- AFFECT THE  
WARNING PROCESS. BEFORE A WARNING MESSAGE CAN BE  
ISSUED, THREAT DATA MUST BE COLLECTED, COLLATED, AND  
EVALUATED. THE REPORT EXAMINES WHAT IS INVOLVED IN  
THESE PROCESSES. INCLUDED AMONG THE FACTORS  
INFLUENCING RESPONSE ARE THE SOCIO-CULTURAL  
FRAMEWORK, THE HISTORICAL SETTING, AND THE IMMEDIATE  
ONGOING SOCIAL SITUATION. THE REPORT CONTAINS A  
DISCUSSION OF IMPLICATIONS FOR NUCLEAR CATASTROPHE.  
(AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-718 881 15/3 5/9  
URS RESEARCH CO SAN MATEO CALIF

EVALUATION OF EMERGENCY OPERATIONS SIMULATION  
TRAINING.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
NOV 70 79P HARKER, ROBERT A. ;  
REPT. NO. URS-793  
CONTRACT: DAHC20-70-C-0293  
PROJ: OCD-2611E

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, TRAINING),  
NUCLEAR WARFARE, SIMULATION, THREAT EVALUATION,  
PROBLEM SOLVING, LEADERSHIP, ORGANIZATIONS,  
INTERACTIONS, PROGRAMMED INSTRUCTION

(U)

IDENTIFIERS: TRANSATTACK ENVIRONMENTS, \*EMERGENCY  
OPERATIONS SIMULATION TRAINING, ENEMY ATTACK  
CAPABILITIES, OBJECTIVES, EVALUATION, NEW  
ORLEANS(LOUISIANA)

(U)

THE REPORT PRESENTS EVALUATIONS OF THE OCD  
EMERGENCY OPERATIONS SIMULATION TRAINING  
(EOST) EXERCISES CONDUCTED FOR LOCAL JURISDICTIONS.  
THE EVALUATIONS WERE BASED ON OBSERVATION AND  
PARTICIPATION IN FIVE EXERCISES AS WELL AS ON  
ANALYSES OF THE EXTENSIVE EXPERIENCE OF OTHERS. IN  
ADDITION, THE RESEARCH INCLUDED ESTIMATES OF CURRENT  
ENEMY ATTACK CAPABILITIES, AND STUDIES OF ADVANCED  
CIVIL DEFENSE CONCEPTUAL DEVELOPMENTS.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-718 924 5/11 15/3  
MICHIGAN STATE UNIV EAST LANSING DEPT OF  
COMMUNICATION

THE HOME FALLOUT PROTECTION SURVEY IN  
MICHIGAN: ITS IMPACT ON THE GENERAL  
PUBLIC,

(U)

APR 70 12P BERLO, DAVID K. I  
REPT. NO. HFPS-3  
CONTRACT: DAHC20-67-C-0119

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON THE PUBLIC OPINION ON  
SHARING HOME BASEMENTS DURING STORM OR  
RADIOACTIVE FALLOUT DISASTERS.

DESCRIPTORS: (DISASTERS, ATTITUDES),  
(SHELTERS, PUBLIC OPINION), STORMS,  
RADIOACTIVE FALLOUT, CIVIL DEFENSE SYSTEMS, SOCIAL  
COMMUNICATION, STATISTICAL ANALYSIS (U)  
IDENTIFIERS: SHELTER OCCUPANCY, HOME BASEMENTS,  
EMERGENCY HOME SHARING, INTERVIEWS (U)

THE REPORT FOCUSES ON THE RESPONSES MADE BY A  
STATE-WIDE PROBABILITY SAMPLE OF MICHIGAN RESIDENTS  
TO QUESTIONS DEALING WITH THEIR WILLINGNESS TO SHARE  
THEIR HOME BASEMENTS--IN THE EVENT OF NATURAL  
DISASTER, OR NUCLEAR ATTACK, WITH EITHER FRIENDS,  
NEIGHBORS, OR STRANGERS. SUBGROUPS OF THE  
POPULATION WERE STUDIED IN RESPONSE TO THESE  
QUESTIONS: A WIDE VARIETY OF SUBGROUPS WERE EXAMINED  
ALONG DIFFERING LEVELS OF CIVIL DEFENSE ATTITUDES AND  
INFORMATION, COMMUNICATIONS WITH RESPECT TO CIVIL  
DEFENSE, AND DEMOGRAPHIC FACTORS. THE FINDINGS WERE  
THEN COMPARED WITH SIMILAR QUESTIONS ASKED IN OTHER  
MID-WEST URBAN AND RURAL AREAS, AND IN A NATION-WIDE  
PROBABILITY SAMPLE: ALL THREE SETS OF RESULTS  
CONSISTENTLY SHOWED HIGH LEVELS OF PUBLIC SUPPORT FOR  
HOMESHARING IN THE EVENT OF NUCLEAR ATTACK.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AU-722 870 5/1  
DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA

MANAGEMENT ENGINEERING.

(U)

DESCRIPTIVE NOTE: REPORT BIBLIOGRAPHY JAN-OCT 70.  
APR 71 201P  
REPT. NO. DDC-TAS-71-5

UNCLASSIFIED REPORT

DESCRIPTORS: (•MANAGEMENT ENGINEERING,  
•BIBLIOGRAPHIES), (•MANAGEMENT PLANNING,  
BIBLIOGRAPHIES), ABSTRACTS, INDEXES,  
TRANSPORTATION, INDUSTRIES, CIVIL DEFENSE SYSTEMS,  
DATA PROCESSING SYSTEMS, MATHEMATICAL PREDICTION,  
FALLOUT SHELTERS, TRANSPORTATION, INVENTORY  
CONTROL, URBAN PLANNING, DECISION MAKING,  
LOGISTICS

(U)

IDENTIFIERS: MANAGEMENT INFORMATION SYSTEMS,  
ANNOTATED BIBLIOGRAPHIES

(U)

THE ABSTRACTS TO REPORTS IN THIS BIBLIOGRAPHY ARE  
PERTINENT TO MANAGEMENT PLANNING IN TRANSPORTATION,  
INDUSTRIES, CIVIL DEFENSE SYSTEMS, AND OTHER MAN-  
ORGANIZED SYSTEMS. THE INDEXES ARE FOR CORPORATE  
AUTHOR-MONITORING AGENCY AND SUBJECT. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-724 164 15/3  
MICHIGAN STATE UNIV EAST LANSING DEPT OF  
COMMUNICATION

THE HOME FALLOUT PROTECTION SURVEY AND  
COMMUNITY SHELTER PLANS IN MICHIGAN:  
THEIR IMPACT ON THE GENERAL PUBLIC, FAMILY  
COMMUNICATION ABOUT CIVIL DEFENSE TOPICS:  
A REPORT OF TWO PILOT STUDIES.

(U)

DESCRIPTIVE NOTE: PILOT STUDY REPT. NO. 4,  
JAN 71 19P BERLO, DAVID K. ; WACKMAN,  
DANIEL B. ; ERICSON, PHILIP M. ;  
CONTRACT: DAHC20-67-C-0119

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, PUBLIC  
OPINION), (\*FALLOUT SHELTERS, CIVIL DEFENSE  
SYSTEMS), REACTION(PSYCHOLOGY), EDUCATION,  
ATTITUDES, QUESTIONNAIRES, NUCLEAR RADIATION,  
NUCLEAR WARFARE  
IDENTIFIERS: HOME FALLOUT PROTECTION SURVEYS

(U)

(U)

THE REPORT SUMMARIZES TWO PILOT RESEARCH STUDIES  
WHICH EXPLORED HOW AMERICAN FAMILIES PROCESS AND  
UTILIZE CIVIL DEFENSE INFORMATION. THE FIRST STUDY  
COMPARED PUBLIC REACTIONS TO COMMUNITY SHELTER  
PLAN INFORMATION TO HOME FALLOUT PROTECTION  
SURVEY INFORMATION; AND FOUND THEM SIMILAR IN  
AWARENESS, PROCESSING, USE IN PLANNING, AND  
EVALUATION OF THE INFORMATION. THE STRENGTHS AND  
WEAKNESS OF CSP INFORMATION ARE NOTED. THE  
SECOND STUDY EXAMINED HOW A SAMPLE OF 30 LOWER AND  
MIDDLE CLASS COUPLES INTERACTED ABOUT CIVIL DEFENSE  
TOPICS. THE FINDINGS INDICATED NUCLEAR ROLE  
ASSIGNMENT FOR CIVIL DEFENSE IN THE FAMILIES, LOW  
PRIORITY TO ITS IMPORTANCE, BUT USE OF THE SAME BASIC  
INTERACTION STYLE IN DISCUSSING IT. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMHL7

AD-724 727 15/3

IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND  
ANTHROPOLOGY

THE HOME FALLOUT PROTECTION SURVEY AND  
RESULTING CHANGES IN SHELTER ADOPTION.  
SUMMARY REPORT.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

SEP 70 56P YARBROUGH, PAUL ; KLONGLAN,

GERALD E. I

REPT. NO. RURAL SOCIOLOGY-85A

CONTRACT: DAHC20-67-C-0123

PROJ: OCD-4811E

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SOCIOLOGICAL STUDIES IN  
CIVIL DEFENSE. PREPARED IN COOPERATION WITH IOWA  
AGRICULTURAL AND HOME ECONOMICS EXPERIMENT  
STATION, PROJECT 1529. SEE ALSO APPENDICES, AD-  
724 728.

DESCRIPTORS: (CIVIL DEFENSE SYSTEMS, ATTITUDES),  
QUESTIONNAIRES, REVIEWS, IOWA

(U)

IDENTIFIERS: SURVEYS, HOME FALLOUT PROTECTION

(U)

THE STUDY INVESTIGATED RESPONSES MADE BY ADULTS IN  
DES MOINES, IOWA, TO THE HOME FALLOUT  
PROTECTION SURVEY (HFPS). A PANEL OF 308  
PERSONS WERE INTERVIEWED BEFORE AND AFTER HFPS.  
THE AUDIENCE WAS FOUND TO HAVE RESPONDED QUITE  
FAVORABLY IN TERMS OF ATTENTION GIVEN HFPS  
MESSAGES, ATTITUDINAL ACCEPTANCE OF THE PROGRAM AND  
CHANGE IN ADOPTION OF PUBLIC AND HOME FALLOUT  
SHELTERS. OVER 66 PERCENT WERE AWARE OF THE  
PROGRAM AND NEARLY 30 PERCENT READ AT LEAST SOME OF  
THE HFPS BOOKLET. COMBINED ADOPTION OF HOME AND  
PUBLIC SHELTERS INCREASED FROM 26 PERCENT OF ALL  
HOUSEHOLDS BEFORE HFPS TO 44 PERCENT AFTERWARDS.  
HOWEVER, COMPREHENSION OF SUCH KEY CONCEPTS AS  
'PROTECTION FACTOR' AND 'ADDED WEIGHT' WAS QUITE LOW  
AND CONSTITUTED ONE OF THE WEAKEST LINKS IN THE  
PROGRAM. THE DISPOSITIONAL MODEL DID NOT HOLD WELL  
IN PREDICTING ATTENTION TO HFPS, BUT DID HOLD IN  
PREDICTING COMPREHENSION AND ACCEPTANCE RESPONSES.  
THE USE OF PANEL METHODOLOGY WAS FOUND TO  
CONTRIBUTE SIGNIFICANT BIAS TO THE OBSERVED RESPONSE  
TO HFPS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-726 001 11/5 21/2 15/6  
NAVAL ORDNANCE LAB WHITE OAK MD

FUEL VALUES AND BURNING TIMES OF SELECTED  
FUEL ARRAYS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
MAR 71 17P BRACCIARENTI, JOHN ;  
REPT. NO. NOLTR-71-76  
PROJ: OCO-2535B

UNCLASSIFIED REPORT

DESCRIPTORS: (\*TEXTILES, \*COMBUSTION),  
(\*BUILDINGS, FIRES), (\*NUCLEAR WARFARE, URBAN  
AREAS), CIVIL DEFENSE SYSTEMS, HOUSING, FIRE  
SAFETY, FIRE RESISTANT TEXTILES, FLAMMABILITY,  
BURNING RATE

(U)

IDENTIFIERS: \*CURTAINS, \*DRAPES, \*WINDOW  
SHADES

(U)

FUEL VALUES AND BURNING TIMES OF SEVENTEEN SELECTED  
WINDOW FUEL ARRAYS WERE DETERMINED EXPERIMENTALLY FOR  
CONDITIONS UNDER WHICH THE ARRAYS ARE COMMONLY FOUND,  
THE RESULTS WERE COMPARED WITH PREDICTED FUEL  
VALUES AND BURNING TIMES MADE IN CONJUNCTION WITH  
SURVEYS OF PROVIDENCE AND DETROIT. THE RESULTS  
INDICATE THAT THE FUEL VALUES FOR THE BURNING ARRAYS  
ARE ON THE AVERAGE 50 PERCENT LOWER THAN THOSE  
PREDICTED. THE FLAMING TIME OF THE FUELS WAS FOUND  
TO BE TWICE TO SIX TIMES THOSE PREDICTED, HOWEVER THE  
HANGING FUELS FELL TO THE FLOOR IN CONSIDERABLY  
SHORTER TIMES THAN THE ESTIMATED BURNING TIMES.  
SOME OF THE IMPLICATIONS OF THE RESULTS TO ROOM  
FLASHOVER ARE DISCUSSED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-726 456 15/2 5/10  
AMERICAN INSTITUTES FOR RESEARCH PITTSBURGH PA

AN EXPLORATORY STUDY TO DETERMINE THE  
EFFECTS OF PHYSICAL HAZARD ON SHELTER  
MANAGEMENT BEHAVIOR.

(U)

DESCRIPTIVE NOTE: FINAL REPT. 1969-1970,  
APR 71 62P SMITH, ROBERT W. COLLINS,  
ROBERT A. MEAGLEY, DONALD E. I  
REPT. NO. AIR-77802-4/71-FR  
CONTRACT: DAMC20-68-C-0122

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, FALLOUT  
SHELTERS), (\*BEHAVIOR, THREAT EVALUATION),  
(\*FALLOUT SHELTERS, \*MANAGEMENT ENGINEERING),  
PERFORMANCE(HUMAN), REACTION(PSYCHOLOGY),  
STRESS(PSYCHOLOGY), ADJUSTMENT(PSYCHOLOGY),  
ANXIETY

(U)

IDENTIFIERS: THREAT, MANAGEMENT PERFORMANCE

(U)

THE OBJECTIVE OF THE STUDY WAS TO GENERATE A  
PERCEPTION OF ENVIRONMENTAL THREAT IN SUBJECTS UNDER  
CONTROLLED CONDITIONS AND TO ASSESS ITS EFFECT ON  
PERFORMANCE THAT COULD BE RELATED TO FALLOUT SHELTER  
MANAGEMENT RESPONSIBILITIES. OF THE TEN TEST  
SUBJECTS, FIVE APPEARED TO PERCEIVE THREAT AS  
EVIDENCED BY NONCOMMITTAL REACTIONS TO CONCERNS  
EXPRESSED BY THEIR COMPANIONS, OVERT SYMPTOMS OF  
ANXIETY, RELATIVELY FREQUENT ATTEMPTS TO COMMUNICATE  
WITH THE RESEARCH STAFF, AND SUBSEQUENT VERBAL  
ACKNOWLEDGEMENT OF PERCEIVED THREAT. CLEAR  
RELATIONSHIPS EXISTED BETWEEN THE PERCEPTION OF  
THREAT AND MANAGEMENT PERFORMANCE, PARTICULARLY IN  
THE AREA OF SOCIAL BEHAVIOR. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-726 947 15/3  
OFFICE OF CIVIL DEFENSE WASHINGTON D C

CIVIL DEFENSE AND THE PUBLIC: AN  
OVERVIEW OF PUBLIC ATTITUDE STUDIES.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
MAY 71 40P GARRETT, RALPH L. ;  
REPT. NO. OCD-RR-17

UNCLASSIFIED REPORT

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*PUBLIC  
OPINION), (\*ATTITUDES, CIVIL DEFENSE SYSTEMS),  
HISTORY, SHELTERS, EDUCATION, MANAGEMENT  
PLANNING

(U)

THE REPORT OUTLINES RELEVANT ASPECTS OF CIVIL  
DEFENSE HISTORY AND PROVIDES A GENERAL OVERVIEW OF  
PUBLIC ATTITUDES DURING THE PAST 20 YEARS. PUBLIC  
ATTITUDE FINDINGS ARE SUMMARIZED UNDER SUCH TOPICS AS  
THE INTERNATIONAL CONTEXT, THREAT PERCEPTION, GENERAL  
FAVORABILITY, PROGRAM SUPPORT, SALIENCE, PERCEPTIONS  
OF LOCAL PROGRAMS, PERCEPTIONS OF SHELTERS AS A  
SURVIVAL RESOURCE, RESPONSE TO WARNING, AND TRAINING  
AND EDUCATION IMPACT. FINDINGS ARE REVIEWED  
RELEVANT TO SUCH SPECIAL AUDIENCES AS INFORMATION  
SEEKERS, YOUTH, LOCAL GOVERNING BODIES, COMMUNITY  
POWER STRUCTURE, AND VOLUNTARY ORGANIZATIONS.  
PROJECTIONS ARE MADE RELATIVE TO THE MEANING OF  
THESE FINDINGS FOR CIVIL DEFENSE IN THE 1970'S.  
(AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-726 955 15/3 6/7 6/21  
SYSTEM SCIENCES INC BETHESDA MD

A CONCEPT OF EMERGENCY HEALTH SERVICE  
(EHS) IN NUCLEAR WAR. PART I - PLANNING  
FOR EHS IN NUCLEAR WAR, AND PART II -  
DEVELOPING AN EHS ANNEX TO A NUCLEAR  
EMERGENCY OPERATIONS PLAN (NEOP).

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

JUL 71 228P ANDERSON, CHARLES G. ;  
CONTRACT: DAHC20-70-C-0302

UNCLASSIFIED REPORT

DESCRIPTORS: (•NUCLEAR WARFARE CASUALTIES, •PUBLIC  
HEALTH), (•CIVIL DEFENSE SYSTEMS, PUBLIC  
HEALTH), NUCLEAR WARFARE, MEDICAL PERSONNEL,  
MEDICAL SUPPLIES

(U)

IDENTIFIERS: •EMERGENCY MEDICAL CARE

(U)

THE REPORT PRESENTS A GENERAL DISCUSSION OF MEDICAL  
DISASTER PLANNING, EMERGENCY HEALTH SERVICE  
(EHS) ORGANIZATION, POTENTIAL ATTACK ENVIRONMENTS  
AND CASUALTY CARE REQUIREMENTS. THE ELEMENTS OF  
THE EHS ARE ALL DISCUSSED IN TERMS OF APPLICATION  
DURING ANY ONE OF THE POSSIBLE DIFFERENT TYPES OF  
ATTACK BASIC OPERATING SITUATIONS (BOS). A  
CONCEPT OF PLANNING FOR EMERGENCY MEDICAL  
OPERATIONS DURING AND IMMEDIATELY AFTER A NUCLEAR  
ATTACK IS DISCUSSED. IT COVERS THE ASPECTS OF  
MEDICAL MANPOWER, MEDICAL SUPPLIES AND MEDICAL  
FACILITIES AND HOW THEY COULD BE INTERRELATED DURING  
EMERGENCY OPERATIONS. SUBSTANTIAL EMPHASIS IS  
GIVEN OVER TO INCREASED READINESS ACTIVITIES  
DURING A CRISIS BUILD UP PERIOD. (AUTHOR)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-726 961 5/10 5/1 15/3  
HUMAN SCIENCES RESEARCH INC MCLEAN VA

A MODEL OF SOCIETY TO USE IN SYSTEMATIC  
ANALYSIS AND MANAGEMENT PLANNING FOR  
SOCIETIES UNDER STRESS; FURTHER  
DEVELOPMENT.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
MAY 71 134P HALL, EARL E. ;  
REPT. NO. HSR-RR-71/4-VB-X  
CONTRACT: DAMC20-68-C-0151  
PROJ: OCD-4321C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO REPORT DATED NOV 69: AD-  
700 166.

DESCRIPTORS: (•NUCLEAR WARFARE, RECOVERY),  
(•CIVIL DEFENSE SYSTEMS, •MANAGEMENT PLANNING),  
MATHEMATICAL MODELS, ECONOMICS, SYSTEMS  
ENGINEERING, EQUATIONS, FACTOR ANALYSIS, BEHAVIOR  
IDENTIFIERS: POST ATTACK PLANNING

(U)

(U)

THE REPORT DESCRIBES FURTHER DEVELOPMENT OF A  
SYSTEMS MODEL OF SOCIETY TO BE USED AS A TOOL IN  
PLANNING FOR SOCIETAL RECOVERY FOLLOWING NUCLEAR  
ATTACK. THE BASIC ELEMENTS OF THE SYSTEM WERE  
PRESENTED IN AN EARLIER REPORT, A MODEL OF  
SOCIETY TO USE IN SYSTEMATIC ANALYSIS AND  
MANAGEMENT PLANNING FOR SOCIETIES UNDER  
STRESS; THE PRESENT REPORT EMPHASIZES THE NEEDS  
SYSTEMS-EFFORTS EQUATIONS OF THE SOCIETAL MODEL AND  
COVERS IN DETAIL THE GENERAL SYSTEMIC IMPLICATIONS  
OF SPECIFIC HUMAN NEEDS; IMPLICATIONS FOR THE  
CONSUMER DEMAND SUBSYSTEM; IMPLICATIONS FOR THE  
INSTITUTION-BUILDING SUBSYSTEM; AND GENERAL  
IMPLICATIONS FOR RECOVERY PLANNING. THE REPORT  
CONCLUDES WITH A DESCRIPTION OF DEVELOPMENTS IN THE  
SOCIAL SCIENCES RELATED TO THE POTENTIAL OF SOCIETAL  
MODELING. (AUTHOR)

(U)

UNCLASSIFIED

UDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-728 848 15/3  
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND  
ANTHROPOLOGY

PUBLIC RESPONSE TO COMMUNITY SHELTER  
PLANNING: DES MOINES AND POLK COUNTY,  
IOWA. SUMMARY REPORT.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,  
MAY 71 SUP YARBROUGH, PAUL IXLONGLAN;  
GERALD E. PADGITT, STEVE;  
REPT. NO. SOCIOLOGY-87A  
CONTRACT: DAHC20-69-C-0103  
PROJ: OCD-4811G

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SOCIOLOGICAL STUDIES IN  
CIVIL DEFENSE. PREPARED IN COOPERATION WITH IOWA  
AGRICULTURAL AND HOME ECONOMICS EXPERIMENT  
STATION; PROJECT 1754. SEE ALSO APPENDICES, AD-  
728 849.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, ATTITUDES),  
(\*FALLOUT SHELTERS, \*ATTITUDES), QUESTIONNAIRES,  
SOCIOLOGY

(U)

THE STUDY INVESTIGATED RESPONSES MADE BY ADULTS IN  
DES MOINES, IOWA, TO A COMMUNITY SHELTER  
PLAN (CSP) AND ALSO TO AN OFFICE OF CIVIL  
DEFENSE BOOKLET ENTITLED, 'IN TIME OF  
EMERGENCY' (H-14). A TOTAL OF 938 INTERVIEWS  
WERE COMPLETED DURING THE STUDY. THE DETAILED  
METHODOLOGY AND ANALYSIS FOR EACH VARIABLE  
INVESTIGATED, IS PRESENTED IN A SEPARATE VOLUME--SEE  
AD-728 849. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-728 849 15/3  
IOWA STATE UNIV AMES DEPT OF SOCIOLOGY AND  
ANTHROPOLOGY

PUBLIC RESPONSE TO COMMUNITY SHELTER  
PLANNING: DES MOINES AND POLK COUNTY,  
IOWA. APPENDICES. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
MAY 71 344P YARBROUGH, PAUL ; KLONGLAN,  
GERALD E. ; PADGITT, STEVE ;  
REPT. NO. SOCIOLOGY-87B  
CONTRACT: DAHC20-69-C-0103  
PROJ: OCD-4811G

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SOCIOLOGICAL STUDIES IN  
CIVIL DEFENSE. PREPARED IN COOPERATION WITH IOWA  
AGRICULTURAL AND HOME ECONOMICS EXPERIMENT  
STATION, PROJECT 1754. SEE ALSO SUMMARY REPORT,  
AD-728 848.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, ATTITUDES);  
(\*FALLOUT SHELTERS, \*ATTITUDES); QUESTIONNAIRES,  
SOCIOLOGY (U)

THE STUDY INVESTIGATED RESPONSES MADE BY ADULTS IN  
DES MOINES, IOWA, TO THE COMMUNITY SHELTER  
PLAN (CSP). A TOTAL OF 938 INTERVIEWS WERE  
COMPLETED DURING THE STUDY. THIS INCLUDED ADEQUATE  
CONTROL SAMPLES BEFORE AND AFTER PUBLICATION OF CSP  
AS WELL AS PANELS. ONE PANEL WAS INITIATED BEFORE  
CSP, OTHER WERE CONTINUED FROM THE RESEARCHERS'  
EARLIER HOME FALLOUT PROTECTION SURVEY STUDY.  
THE CSP MESSAGE INCLUDED A PLAN ALLOCATING PUBLIC  
FALLOUT SHELTERS TO RESIDENTS BASED ON PLACE OF  
RESIDENCE. IT WAS PUBLISHED IN THE FORM OF A 12-  
PAGE SUNDAY NEWSPAPER ADVERTISING SUPPLEMENT.  
ATTENTION GIVEN THE MESSAGE WAS ABOUT AVERAGE WITH  
SIMILAR SUPPLEMENTS (SLIGHTLY LESS THAN HALF OF THE  
TOTAL AUDIENCE), BUT COMPREHENSION OF THE PLAN WAS  
LOW. ONLY SEVEN PERCENT OF OUR CONTROL SAMPLE  
COULD RECALL THE NAME OR LOCATION OF A SHELTER  
ALLOCATED FOR HIS USE AND ONLY FOUR PERCENT COULD  
RECALL HOW THEY WERE INSTRUCTED TO TRAVEL TO THE  
SHELTER. ACCEPTANCE RESPONSES WERE LOW. A SLIGHT  
INCREASE WAS OBSERVED IN LEVEL OF KNOWLEDGE ABOUT A  
LOCAL CIVIL DEFENSE PROGRAM AND IN THE ANTICIPATORY  
DECISION TO CONCURRENTLY ADOPT PUBLIC OR HOME SHELTER  
PROTECTION ALTERNATIVES. THE DISPOSITIONAL MODEL  
DID NOT HOLD WELL IN PREDICTING ATTENTION TO CSP. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-730 360 5/10  
HUMAN SCIENCES RESEARCH INC MCLEAN VA

A STUDY OF CONSENSUS ON PSYCHOLOGICAL FACTORS  
RELATED TO RECOVERY FROM NUCLEAR ATTACK. (U)

DESCRIPTIVE NOTE: FINAL REPT.,  
MAY 71 234P ALLNUTT, BRUCE C. INORDLIE,  
PETER G. I  
REPT. NO: HSR-RR-71/3-D1  
CONTRACT: DAHC20-70-C-0380  
PROJ: OCD-35428

UNCLASSIFIED REPORT

DESCRIPTORS: (\*REACTION(PSYCHOLOGY), NUCLEAR  
WARFARE), RECOVERY, SOCIAL PSYCHOLOGY,  
SOCIOLOGY, ADJUSTMENT(PSYCHOLOGY), FACTOR  
ANALYSIS, CIVIL DEFENSE SYSTEMS, LABOR (U)  
IDENTIFIERS: \*POSTATTACK RECOVERY (U)

A STUDY WAS MADE OF THE AGREEMENT THAT EXISTS AMONG  
EXPERTS ABOUT THE PROBABLE SOCIAL AND PSYCHOLOGICAL  
CONSEQUENCES OF NUCLEAR WAR, AND THE IMPACT OF SUCH  
FACTORS ON THE PROCESS OF NATIONAL RECOVERY. THE  
RESEARCH METHOD INVOLVED THE INTERROGATION OF A PANEL  
OF COGNIZANT GOVERNMENT OFFICIALS, MILITARY OFFICERS,  
AND RESEARCH SCIENTISTS, USING A VARIATION OF THE  
ITERATIVE DELPHI PROCEDURE. VERY GENERALLY, THE  
PANEL WAS IN AGREEMENT THAT, WHILE THE VARIETY OF  
INDIVIDUAL AND GROUP BEHAVIORS COULD BE EXPECTED TO  
INCREASE, THE INCIDENCE OF ADAPTIVE BEHAVIOR WOULD  
LIKELY OUTWEIGH THAT OF MALADAPTIVE BEHAVIOR.  
HOWEVER A VERY STRONG TENDENCY FOR SOCIAL SYSTEMS  
TO FRAGMENT INTO SMALL, LOCAL, SHORT-SIGHTED, AND  
SELF-INTERESTED GROUPS WAS PREDICTED. A DIVERSE SET  
OF PROJECTIONS ARE PRESENTED AND DISCUSSED IN DEPTH  
BY THE PANELISTS, AND ESTIMATIONS OF THE EFFECTS OF  
SOCIAL AND PSYCHOLOGICAL FACTORS ON SUCH NUMERICAL  
VARIABLES AS THE POSTATTACK AVAILABILITY OF LABOR ARE  
GIVEN. (AUTHOR) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-732 514 13/13 15/3  
AMERICAN INSTITUTES FOR RESEARCH PITTSBURGH PA

MODEL LARGE INDIVIDUAL SHELTER PLANS.

(U)

DESCRIPTIVE NOTE: FINAL REPT. 1 JUL 70-30 SEP 71,  
JUL 71 49P COLLINS, ROBERT A. IMANN,

SHEILA B. ;

REPT. NO. AIR-77804-7/71-FR

CONTRACT: DAHC20-68-C-0122

PROJ: OCD-1519F

UNCLASSIFIED REPORT

DESCRIPTORS: (•SHELTERS, •CIVIL DEFENSE SYSTEMS),

MANAGEMENT PLANNING, PENNSYLVANIA

(U)

IDENTIFIERS: PITTSBURGH(PENNSYLVANIA)

(U)

THE GOALS OF THE PROJECT WERE TO DEVELOP AN INDIVIDUAL SHELTER PLAN (ISP) FOR OPERATIONS WITHIN THE LARGE SHELTER, AND A REPORT DESCRIPTIVE OF THE PROCESSES OF PLAN DEVELOPMENT. A 'MODEL' STRUCTURE, SATISFYING THE CRITERIA DESCRIPTIVE OF 'LARGE' SHELTERS WAS SELECTED. THIS BUILDING WAS SURVEYED IN TERMS OF STRUCTURE, SUPPLIES, FACILITIES, AND EQUIPMENT PERTINENT TO ITS FUNCTION AS A SHELTER. UTILIZING THIS INFORMATION, AND LEVELS OF FIRE AND RADIATION AS ENVIRONMENTAL DESCRIPTORS, SHELTER MANAGEMENT ACTIONS WERE GENERATED FOR CRITICAL SHELTER SERVICES. THESE ACTIONS WERE FORMATTED IN A SMALL FLIP CHART ARRANGED FOR EASY ACCESS.

(AUTHOR)

(U)

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CDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. /ZMML7

AD-732 948 15/3 12/2  
FAUCETT (JACK) ASSOCIATES SILVER SPRING MD

APPLICATIONS OF NETWORK ANALYSIS TO CIVIL  
DEFENSE OPERATIONS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.

AUG 71 54P

CONTRACT: DAMC20-71-C-0219

PROJ: OCD-4114C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: INCLUDES DETACHABLE SUMMARY. SEE  
ALSO RELATED REPORT DATED DEC 70, AD-719 312.

DESCRIPTORS: (\*CIVIL DEFENSE SYSTEMS, \*OPERATIONS  
RESEARCH), (\*NUCLEAR WARFARE, DAMAGE  
ASSESSMENT), LINEAR PROGRAMMING, TRANSPORTATION,  
DEBRIS, EVACUATION, MEDICAL SUPPLIES,  
MATHEMATICAL MODELS, PROBABILITY DENSITY FUNCTIONS,  
GRAPHICS, DISASTERS, COSTS, OPTIMIZATION

(U)

IDENTIFIERS: \*NETWORK FLOWS, RESOURCE ALLOCATION,  
EMERGENCY PLANNING, TRANSPORTATION MODELS,  
CONSTRAINTS, GRAPH THEORY

(U)

THE REPORT EXPLORES THE APPLICATIONS OF NETWORK  
ANALYSIS TO CIVIL DEFENSE EMERGENCY PLANNING.  
NETWORK ANALYSIS WAS USED TO DEVELOP MODELS TO  
ANALYZE POST-DISASTER SURVIVAL AND RECOVERY  
OPERATIONS, WITH SAMPLE PROBLEMS BEING PRESENTED TO  
ILLUSTRATE THE UTILITY OF THESE MODELS TO CIVIL  
DEFENSE PLANNING. ONE EXAMPLE SHOWED HOW A MODEL  
COULD BE USED TO DETERMINE THE APPROPRIATE  
DISTRIBUTION OF EMERGENCY RESOURCES DURING POST-  
DISASTER SURVIVAL PERIODS. ANOTHER EXAMPLE  
DEMONSTRATED HOW A LARGE-SCALE POST-DISASTER RECOVERY  
PROBLEM COULD BE SOLVED. THAT IS, THE OPTIMAL LEVEL  
OF MULTIPLE PRODUCTION ACTIVITIES AND THE OPTIMAL  
LEVEL OF PRODUCTION AT EACH LOCATION WAS DETERMINED  
IN ORDER TO MINIMIZE TRANSPORTATION COSTS. IT WAS  
ALSO SHOWN THAT INFORMATION FROM THE NATIONAL  
NODAL NETWORK SYSTEM CAN SERVE AS INPUTS TO  
SUCH MODELS. (AUTHOR)

(U)

UNCLASSIFIED

CORPORATE AUTHOR - MONITORING AGENCY

\*AMERICAN INSTITUTES FOR RESEARCH  
PITTSBURGH PA

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AIR-77802-4/71-FR  
AN EXPLORATORY STUDY TO  
DETERMINE THE EFFECTS OF PHYSICAL  
HAZARD ON SHELTER MANAGEMENT  
BEHAVIOR.  
AD-726 456

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AIR-77804-7/71-FR  
MODEL LARGE INDIVIDUAL SHELTER  
PLANS.  
AD-732 514

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AIR C92 6 63TR  
REQUIREMENTS AND METHODS FOR  
IMPROVING LOCAL CIVIL DEFENSE  
TRAINING.  
AD-410 515

\*AMERICAN MUNICIPAL ASSOCIATION  
WASHINGTON D C

\*\*\*  
ORGANIZING MUNICIPAL  
GOVERNMENTS FOR CIVIL DEFENSE.  
AD-426 430

\*APPLIED PSYCHOLOGICAL SERVICES WAYNE  
PA

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A CORE TRAINING PROGRAM FOR  
STATE LEVEL CIVIL DEFENSE PROGRAM  
PERSONNEL (APPENDICES).  
AD-403 670

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A CORE TRAINING PROGRAM FOR  
STATE LEVEL CIVIL DEFENSE PROGRAM  
PERSONNEL.  
AD-403 759

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STANDARDIZED TESTING FOR THE  
OFFICE OF CIVIL DEFENSE  
RADIOLOGICAL MONITORING FOR  
INSTRUCTORS COURSE.  
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CIVIL DEFENSE COURSE  
DEVELOPMENT TECHNIQUES.  
INSTRUCTOR'S GUIDE FOR A COURSE IN  
STATE LEVEL CIVIL DEFENSE STAFF

OPERATIONS.  
AD-601 930

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CIVIL DEFENSE COURSE  
DEVELOPMENT TECHNIQUES. A COURSE IN  
STATE LEVEL CIVIL DEFENSE STAFF  
OPERATIONS.  
AD-601 931

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MASS TRAINING TECHNIQUES IN  
CIVIL DEFENSE. II. A FURTHER STUDY  
OF TELEPHONIC ADJUNCT TRAINING.  
AD-619 657

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MULTIDIMENSIONAL SCALING  
ANALYSIS AND ITS APPLICATIONS FOR  
THE CIVIL DEFENSE ORGANIZATION.  
AD-622 714

\*BUREAU OF THE CENSUS WASHINGTON D C

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FG-D-3.1/1  
NATIONAL LOCATION CODE. OCD-  
OEP REGION 1.  
AD-631 756

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FG-D-3.1/2  
NATIONAL LOCATION CODE. OCD-  
OEP REGION 2.  
AD-631 757

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FG-D-3.1/3  
NATIONAL LOCATION CODE. OCD-  
OEP REGION 3.  
AD-631 758

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FG-D-3.1/4  
NATIONAL LOCATION CODE. OCD-  
OEP REGION 4.  
AD-631 759

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FG-D-3.1/5  
NATIONAL LOCATION CODE. OCD-OEP  
REGION 5.  
AD-631 760

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FG-D-3.1/6  
NATIONAL LOCATION CODE. OCD-OEP  
REGION 6.  
AD-631 761

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FG-D-3.1/7  
NATIONAL LOCATION CODE, OCD-OEP  
REGION 7.  
AD-631 762

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FG-D-3.1/8  
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REGION 8.  
AD-631 763

\*COLUMBIA UNIV NEW YORK BUREAU OF  
APPLIED SOCIAL RESEARCH

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THE AMERICAN PUBLIC AND THE  
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STUDY DESIGN AND THE STUDY  
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IMPLICATIONS.  
AD-600 752

\*CORNELL UNIV ITHACA N Y

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THE USE OF VOLUNTARY  
ORGANIZATIONS IN CIVILIAN DEFENSE  
AND PREPAREDNESS.  
AD-439 612

\*DEFENSE DOCUMENTATION CENTER  
ALEXANDRIA VA

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DDC-TAS-70-45-1  
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IMPACT AND MANAGEMENT PLANNING.  
VOLUME I.  
AD-705 500

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AD-722 870

\*DEPARTMENT OF HEALTH EDUCATION AND  
WELFARE WASHINGTON D C

\*\*\*

REVIEW OF COMBINED TRAUMA:

RESEARCH, CLINICAL MANAGEMENT AND  
PLANNING.  
AD-632 595

\*DEPARTMENT OF THE NAVY WASHINGTON D  
C

\*\*\*

TRANS-2600  
ACTIONS OF THE POPULATION IN A  
RURAL AREA WHEN THE CIVIL DEFENSE  
SIGNALS ARE GIVEN.  
AD-669 989

\*DUNLAP AND ASSOCIATES INC DARIEN  
CONN

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SSD-65-245 (546)  
TRAINING REQUIREMENTS FOR  
POSTATTACK ADAPTIVE BEHAVIOR.  
AD-624 870

\*DUNLAP AND ASSOCIATES INC DARIEN  
CONN

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TESTING CIVIL DEFENSE PLANS AND  
OPERATIONS AT THE FEDERAL, STATE  
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AD-408 967

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DRD-64-110 VOL. 1  
REQUIREMENTS FOR LOCAL PLANNING  
TO COVER HAZARDS OF FALLOUT.  
VOLUME I.  
AD-611 764

\*FAUCETT (JACK) ASSOCIATES SILVER  
SPRING MD

\*\*\*

APPLICATIONS OF NETWORK  
ANALYSIS TO CIVIL DEFENSE  
OPERATIONS.  
AD-732 948

\*FEDERAL AVIATION AGENCY WASHINGTON D  
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REFERENCES.  
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\*FEDERAL CIVIL DEFENSE ADMINISTRATION  
WASHINGTON D C

\* \* \*

DAMAGE TO CONVENTIONAL AND  
SPECIAL TYPES OF RESIDENCES EXPOSED  
TO NUCLEAR EFFECTS.  
AD-611 160

\*GAUTNEY AND JONES COMMUNICATIONS INC  
WASHINGTON, D C

\* \* \*

TR-66.0201.003  
INSTALLATION AND TESTING OF AN  
AUTOMATIC REMOTE RADIOLOGICAL  
MONITORING SYSTEM.  
AD-647 350

\*HUDSON INST INC HARMON-ON-HUDSON N Y

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HI-612-RR  
MANAGEMENT REQUIREMENTS FOR  
CRISIS CIVIL DEFENSE PROGRAMS.  
AD-642 145

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HI-647-RR  
METHODOLOGY FOR POSTATTACK  
RESEARCH.  
AD-639 751

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HI-777/2-RR  
CRISIS CIVIL DEFENSE AND  
DETERRENCE,  
AD-654 478

\*HUDSON INST INC HARMON-ON-HUDSON N Y

\* \* \*

STRATEGIC AND TACTICAL ASPECTS  
OF CIVIL DEFENSE WITH SPECIAL  
EMPHASIS ON CRISIS SITUATIONS  
AD-401 226

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361-RR/5

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AD-602 849

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AND ROLES FOR CIVIL DEFENSE: 1965-  
1975,  
AD-613 637

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BUDGET CIVIL DEFENSE SYSTEMS.  
AD-622 096

\*HUGHES AIRCRAFT CO FULLERTON CALIF

\* \* \*

FR-64-16-66  
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AD-601 467

\*HUMAN SCIENCES RESEARCH INC MCLEAN VA

\* \* \*

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KINSHIP AND VOLUNTARY  
ORGANIZATION IN POST-THERMONUCLEAR  
ATTACK SOCIETY: SOME EXPLORATORY  
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AD-653 466

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SPECIAL PROBLEMS OF CHILDREN IN  
CIVIL DEFENSE PLANNING.  
AD-654 201

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VULNERABILITY: SOCIAL INDICATORS  
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A STUDY OF CONSENSUS ON  
PSYCHOLOGICAL FACTORS RELATED TO  
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STRESS: FURTHER DEVELOPMENT.  
AD-726 961

\*HUMAN SCIENCES RESEARCH INC MCLEAN VA  
\* \* \*

RR 63 3 RR  
AN APPROACH TO THE STUDY OF  
SOCIAL AND PSYCHOLOGICAL EFFECTS OF  
NUCLEAR ATTACK  
AD-402 098

\*IIT RESEARCH INST CHICAGO ILL  
\* \* \*

N6059  
FIRE BEHAVIOR, IGNITION TO  
FLASHOVER.  
AD-618 414

\*INSTITUTE FOR DEFENSE ANALYSES  
ARLINGTON VA  
\* \* \*

IDA/HQ-67-6832  
ECONOMIC RELATIONSHIPS IN THE  
NEW ORLEANS METROPOLITAN AREA.  
AD-664 753

\* \* \*  
IDA/HQ-69-10145  
ECONOMIC STRUCTURE OF THE  
UNITED STATES USING THE COUNTY AS A  
FUNCTIONAL BASE.  
AD-692 876

\*INSTITUTE FOR DEFENSE ANALYSES  
ARLINGTON VA ECONOMIC AND  
POLITICAL STUDIES DIV  
\* \* \*

IDA/HQ-65-3480  
FEDERAL CIVIL DEFENSE  
ORGANIZATION: THE RATIONALE OF ITS  
DEVELOPMENT.  
AD-612 706

\* \* \*  
IDA/HQ-65-3756  
U. S. CIVIL DEFENSE BEFORE  
1950: THE ROOTS OF PUBLIC LAW 920.  
AD-637 900

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STUDY S-184  
FEDERAL CIVIL DEFENSE  
ORGANIZATION: THE RATIONALE OF ITS  
DEVELOPMENT.

AD-612 706

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U. S. CIVIL DEFENSE BEFORE  
1950: THE ROOTS OF PUBLIC LAW 920.  
AD-637 900

\*INSTITUTE FOR DEFENSE ANALYSES  
ARLINGTON VA PROGRAM ANALYSIS DIV  
\* \* \*

RP-P-347  
ECONOMIC RELATIONSHIPS IN THE  
NEW ORLEANS METROPOLITAN AREA.  
(IDA/HQ-67-6832)  
AD-664 753

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RP-P-511  
ECONOMIC STRUCTURE OF THE  
UNITED STATES USING THE COUNTY AS A  
FUNCTIONAL BASE.  
(IDA/HQ-69-10145)  
AD-692 876

\*IOWA AGRICULTURAL AND HOME ECONOMICS  
EXPERIMENT STATION AMES  
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RURAL SOCIOLOGY-40  
COMMUNITY POWER ACTORS AND  
CIVIL DEFENSE. A DELINEATION OF  
COMMUNITY POWER ACTORS AND AN  
ANALYSIS OF THEIR CIVIL DEFENSE  
ATTITUDES, KNOWLEDGE, BEHAVIOR, AND  
SOURCES OF INFORMATION.  
AD-623 918

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RURAL SOCIOLOGY-40S  
COMMUNITY POWER ACTORS AND  
CIVIL DEFENSE. A DELINEATION OF  
COMMUNITY POWER ACTORS AND AN  
ANALYSIS OF THEIR CIVIL DEFENSE  
ATTITUDES, KNOWLEDGE, BEHAVIOR, AND  
SOURCES OF INFORMATION.  
AD-623 943

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COMMUNITY POWER STRUCTURE AND  
CIVIL DEFENSE.  
AD-451 013

\*IOWA ENGINEERING EXPERIMENT STATION  
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IOW-MIC

\* \* \*

RURAL SOCIOLOGY-34  
SOCIAL ACTION IN CIVIL DEFENSE.  
THE STRATEGY OF PUBLIC INVOLVEMENT  
IN A COUNTY CIVIL DEFENSE  
EDUCATIONAL PROGRAM.  
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NATIONAL LOCATION CODE, OCD-OEP  
REGION 1: CONNECTICUT, MAINE,  
MASSACHUSETTS, NEW HAMPSHIRE, NEW  
JERSEY, NEW YORK, PUERTO RICO,  
RHODE ISLAND, VERMONT, VIRGIN  
ISLANDS.

AD-631 756

NATIONAL LOCATION CODE, OCD-OEP  
REGION 2: DELAWARE, DISTRICT OF  
COLUMBIA, KENTUCKY, MARYLAND, OHIO,  
PENNSYLVANIA, VIRGINIA, WEST  
VIRGINIA.

AD-631 757

NATIONAL LOCATION CODE, OCD-OEP  
REGION 2: ALABAMA, CANAL ZONE,  
FLORIDA, GEORGIA, MISSISSIPPI,  
NORTH CAROLINA, SOUTH CAROLINA,  
TENNESSEE.

AD-631 758

NATIONAL LOCATION CODE, OCD-OEP  
REGION 4: ILLINOIS, INDIANA,  
MICHIGAN, MINNESOTA, WISCONSIN.

AD-631 759

NATIONAL LOCATION CODE, OCD-OEP  
REGION 3: ARKANSAS, LOUISIANA, NEW  
MEXICO, OKLAHOMA, TEXAS.

AD-631 760

NATIONAL LOCATION CODE, OCD-OEP  
REGION 6: COLORADO, IOWA, KANSAS,  
MISSOURI, NEBRASKA, NORTH DAKOTA,  
SOUTH DAKOTA, WYOMING.

AD-631 761

NATIONAL LOCATION CODE, OCD-OEP  
REGION 7: ARIZONA, AMERICAN SAMOA,  
CALIFORNIA, GUAM, HAWAII, NEVADA,  
UTAH.

AD-631 762

NATIONAL LOCATION CODE, OCD-OEP  
REGION 8: ALASKA, IDAHO, MONTANA,  
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AD-612 706

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DATA PROCESSING FOR LOCAL CIVIL  
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AD-637 767

THE COST AND FEASIBILITY OF  
EMERGENCY COOPERATION AMONG LOCAL  
GOVERNMENTS.\*

AD-662 781

INDICATORS OF SOCIAL  
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AD-685 881

CIVIL DEFENSE OPERATIONAL  
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AD-600 993

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AD-601 011

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AD-609 095

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AD-609 202

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A PILOT STUDY OF YOUNG  
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AD-670 986

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AD-635 150

\*COMBUSTION  
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FUEL VALUES AND BURNING TIMES OF  
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AD-726 001

\*COMPUTERS  
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ANALYSIS OF SURVEY DATA.\*  
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\*COUNTERMEASURES  
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AD-668 938

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AD-668 938

\*DENTAL PERSONNEL  
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\*EASTERN EUROPE  
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\*FOOD DISPENSING

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\*MANAGEMENT ENGINEERING

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\*MANAGEMENT PLANNING

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\*MILITARY GOVERNMENT

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RESPONSIBILITY\*

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\*NATIONAL DEFENSE

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\*NEWSPAPERS  
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\*NUCLEAR EXPLOSION DAMAGE  
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\*NUCLEAR WARFARE  
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AD-600 438

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\*OPERATIONS RESEARCH  
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TO CIVIL DEFENSE OPERATIONS.\*  
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\*ORGANIZATIONS  
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SYSTEM LINKAGES AMONG WOMEN'S  
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\*PERFORMANCE TESTS  
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\*PHARMACOLOGY  
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\*POPULATION  
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\*PUBLIC HEALTH  
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